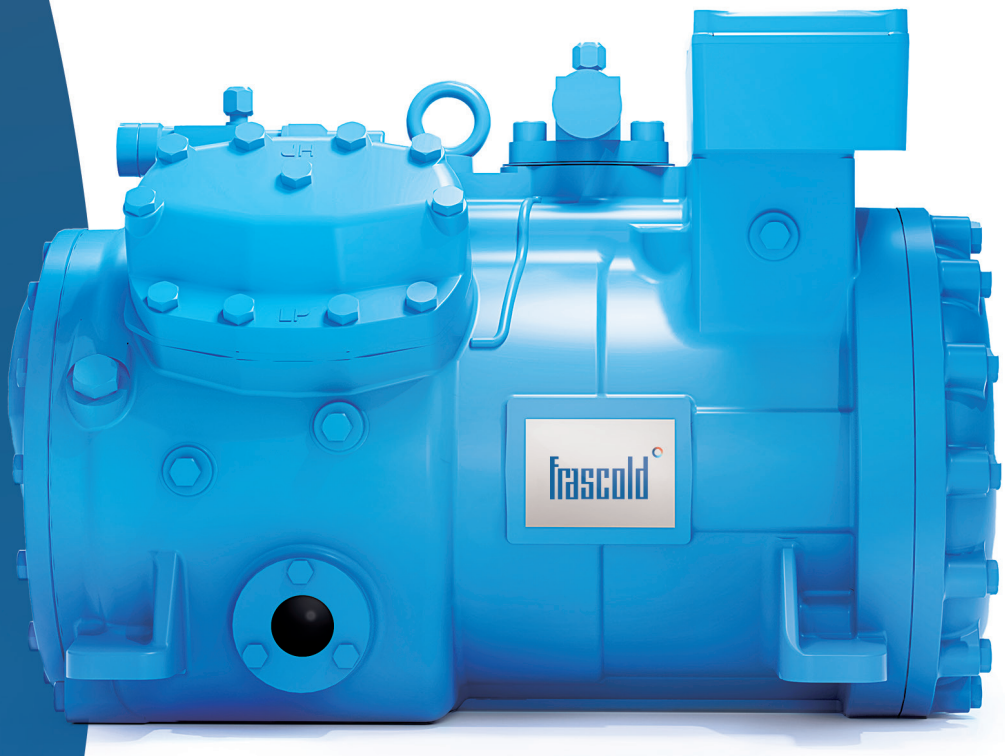
50 Hz & 60 Hz

ATEX SERIES

SEMI-HERMETIC RECIPROCATING COMPRESSORS



Frascold

ATEX SERIES

SEMI-HERMETIC RECIPROCATING COMPRESSORS

INDEX

Product information

FRASCOLD SOLUTION FOR ATEX APPLICATIONS

Reliability, efficiency and quiet operation: the keywords of Frascold's range of semi-hermetic piston compressors, available with **ATEX** certification in the **Standard** and **HT series.**

The **ATEX-certified Standard series** consists of 8 sizes, with 84 models from 0.5 to 80 HP, with the option of being powered by an inverter. The D, Q, S, V, Z & W models are also compatible with our revolutionary **capacity control system** and **RSH.**

The **ATEX HT** series, short for High Temperature, is designed for use in **air-to-water heat pumps** and is available with natural refrigerant **R290.** Characterized by gas nameplate pressure up to 40 bar, it is distinguished by its ability to produce domestic hot water up to 80°C temperature. The series consists of 4 sizes, with 16 models from 7 to 70 HP.

Product information

FEATURES & BENEFITS

DESIGN OPTIMIZED FOR HYDROCARBONS

RELIABILITY
We have been manufacturing and optimizing compressors with hydrocarbons for over 15 years, with over 50,000 ATEX-certified compressors in the field

QUIET OPERATION

HIGH EFFICIENCY

EXTENDED APPLICATION RANGE:
For applications from -20°C up to 80°C while maintaining high efficiency

Product information

CONFORMITY DECLARATION

Frascold ATEX certified compressors are intended for installation in refrigeration systems.

The machine or partly completed machines shall comply with local safety regulation and standards of the place of installation **(within the EU according to the EU Directives 2006/42/EC Machinery Directive, 2014/68/EU Pressure Equipment, 2006/95/EC Low Voltage Directive).**

The compressor may be put into operation only if it has been installed in accordance with the assembly instructions provided in the installation manual.

Commissioning is only possible if the entire system in which it is integrated has been tested and approved in accordance with legal requirements.

The standards applied are described within the manufacturer's declaration of incorporation, according to the Directive 2006/42/EC, available at: **www.frascold.it**

Product information

PERFORMANCE DATA - FSS3 SOFTWARE

Please refer to our FSS3 Frascold Selection Software to check the performance of all our compressors.

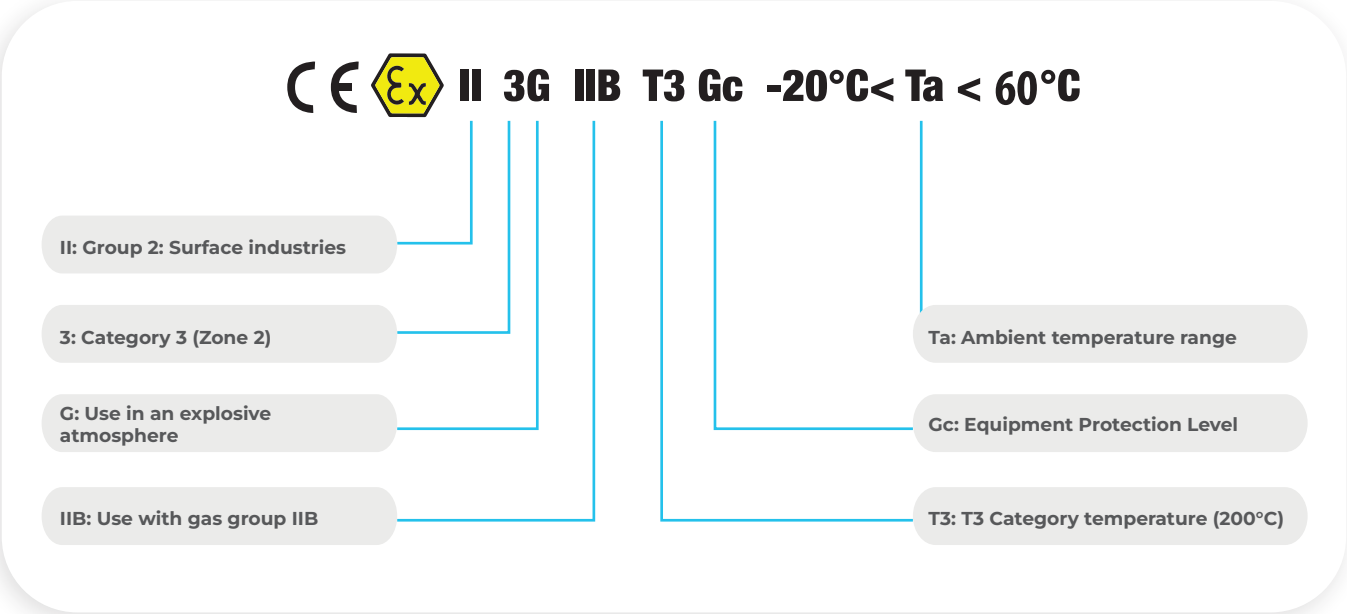
- OPERATING LIMITS
- TECHNICAL INFORMATION
- COOLING CAPACITY
- DRAWINGS
- ALL OPERATING DATA WITH ANY KIND OF REFRIGERANT
- MANUALS
- EUROPEAN STANDARD EN12900 AT 50Hz
- CATALOGUES AND CERTIFICATIONS

ATEX CERTIFICATION

The ATEX Directive (2014/34 / EU) is a certification for equipment and protective systems intended for use in potentially explosive atmospheres caused by the presence of solid dust gas.

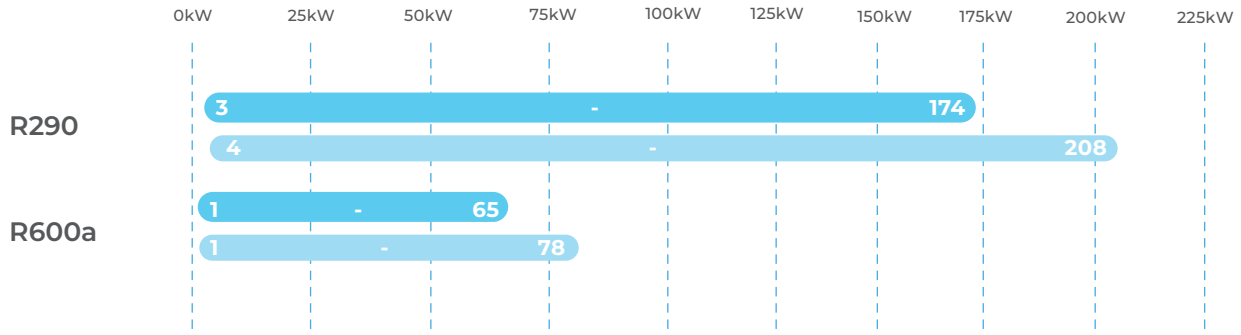
Our range of standard and HT piston compressors are ATEX certified in category 3G: protective equipment or systems that provide a very high level of protection Zone 2, an area where an explosive atmosphere may be present, but only in rare cases or for short periods.

The compressor label includes the following ATEX assembly marking, usually placed on the cable box:



THERMAL CAPACITY

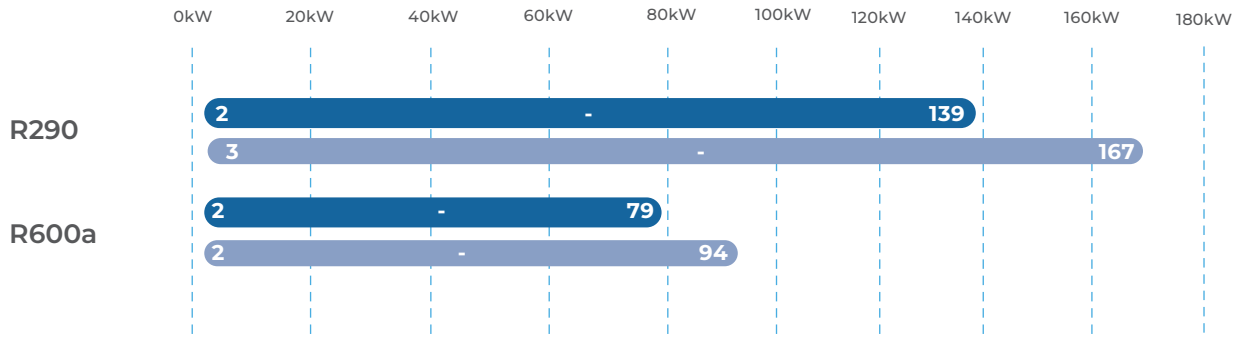
CHILLER



LOW TEMPERATURE:
R290:@ Evap. T. +5 °C | Cond T. +50 °C
R600a:@ Evap. T. -5 °C | Cond T. +50 °C

DISPLACEMENT:
Range @50Hz | Range @60Hz

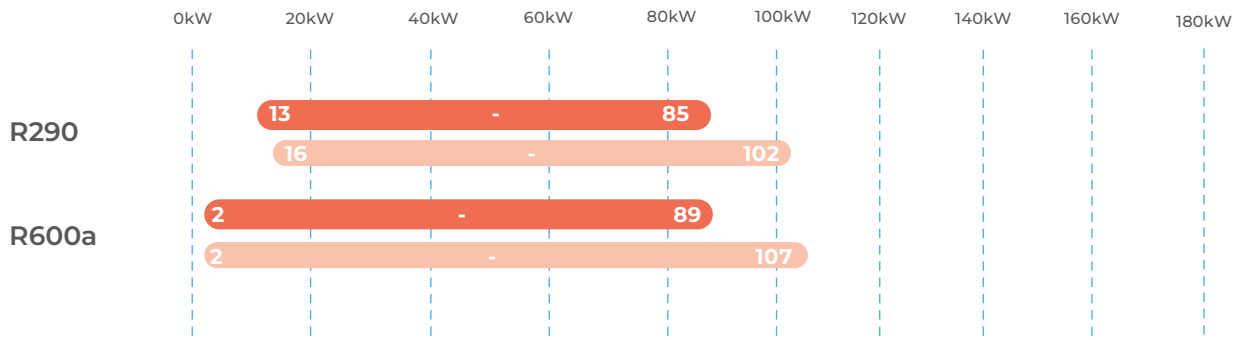
HEAT PUMP



MEDIUM TEMPERATURE:
R290:@ Evap. T. -10 °C | Cond T. +50 °C
R600a:@ Evap. T. +5 °C | Cond T. +70 °C

DISPLACEMENT:
Range @50Hz | Range @60Hz

HIGH TEMPERATURE HEAT PUMP



HIGH TEMPERATURE:
R290:@ Evap. T. -10 °C | Cond T. +80 °C
R600a:@ Evap. T. +15 °C | Cond T. +90 °C

DISPLACEMENT:
Range @50Hz | Range @60Hz

To view performance with other refrigerants, contact us or refer to the Frascold Selection Software FSS3: https://www.frascold.it/software

PRODUCT RANGE

ATEX STANDARD SEMI-HERMETIC RECIPROCATING COMPRESSORS

SIZES A, B, D

2 Cylinders - 22 Models

0.5 - 4 HP
4 - 19 m³/h @50Hz
4 - 22 m³/h @60Hz

SIZES Q, S, V

4 Cylinders - 40 Models

4 - 40 HP
20 - 123 m³/h @50Hz
24 - 148 m³/h @60Hz

SIZE Z

6 Cylinders - 11 Models

25 - 50 HP
106 - 185 m³/h @50Hz
127 - 222 m³/h @60Hz

SIZE W

8 Cylinders - 11 Models

40 - 80 HP
142 - 240 m³/h @50Hz
170 - 288 m³/h @60Hz

ATEX HT SEMI-HERMETIC RECIPROCATING COMPRESSORS

SIZE S

4 Cylinders - 4 Models

7 - 20 HP
32.8 - 56 m³/h @50Hz
39.4 - 67.2 m³/h @60Hz

SIZE V

4 Cylinders - 5 Models

20 - 35 HP
58.8 - 102.9 m³/h @50Hz
70.6 - 123.5 m³/h @60Hz

SIZE Z

6 Cylinders - 3 Models

35 - 50 HP
106.2 - 139.7 m³/h @50Hz
127.4 - 167.6 m³/h @60Hz

SIZE W

8 Cylinders - 4 Models

40 - 70 HP
141.5 - 205.8 m³/h @50Hz
169.8 - 247 m³/h @60Hz

Product information

MODEL DESIGNATION

Z | 35 | - | 106 | AX | HT

Sizes of models

AXY / AXH	A-D-Q-S-V-Z-W
AXHT	S-V-Z-W

Motor size

AXY / AXH	From 0.5 to 80 HP
AXHT	From 7 to 70 HP

Oil type

Y	Standard refrigerants
H	Hydrocarbons refrigerants
HT	High temperature hydrocarbons refrigerants

Configuration

AX	ATEX

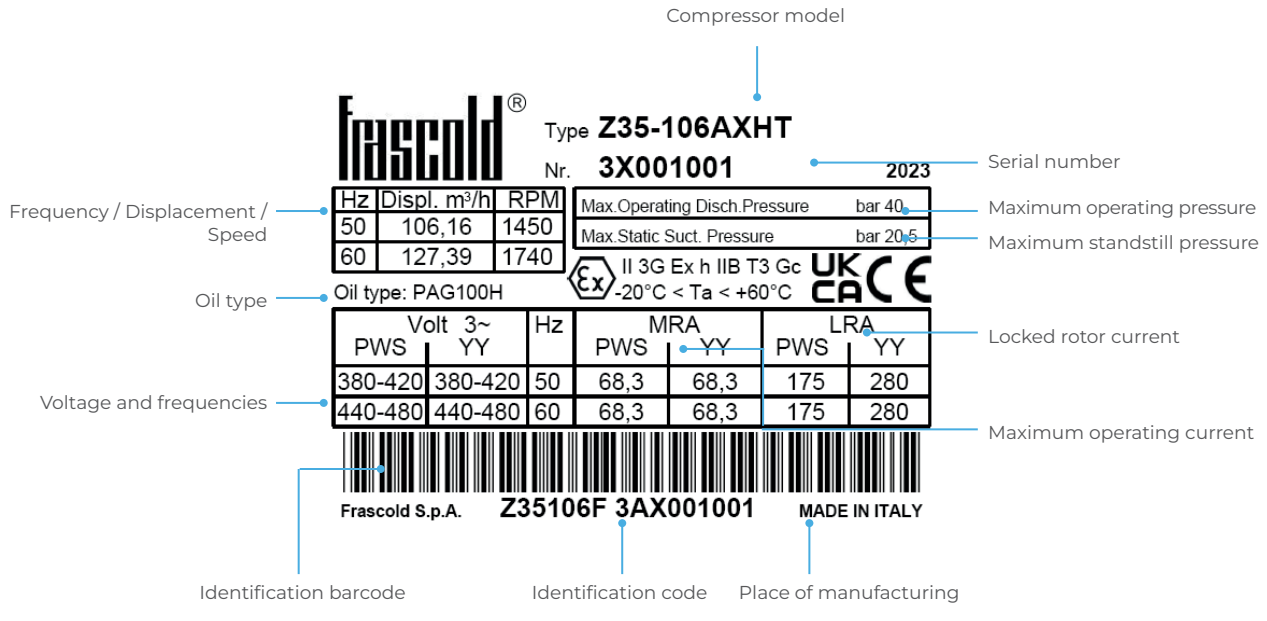
Displacement

From 33 to 206 m³/h at 50Hz

Product information

INFORMATION PLATE

All the important information to identify the compressor is displayed on the nameplate.
The date of production is contained in the serial number.
The user is responsible for indicating the refrigerant type.



STANDARD EQUIPMENT AND OPTIONAL ACCESSORIES

Description	AXY Series				AXH Series				AXHT Series	
	A-B	D	Q-S	V-Z-W	A-B	D	Q-S	V-Z-W	S	V-Z-W
Electric terminal box IP class protection IP56 For Sizes A, B, D, Q, IP54 for Size S, IP66 For Sizes V, Z & W	■	■	■	■	■	■	■	■	■	■
Thermistor	■	■	■	■	■	■	■	■	■	■
Control and protection device (INT69)	■	■	■		■	■	■		■	
Control, diagnostics & protection device (INT69 Diagnose and INT69 TML Diagnose)	■	■	■	■	■	■	■	■	■	■
Discharge temperature control sensor			■	■			■	■	■	■
Electronic oil differential pressure switch				■				■		■
Reversible oil pump				■				■		■
Oil level sight glass (Two for Sizes Q, S, V, Z, & W)	■	■	■	■	■	■	■	■	■	■
Oil charge (POE32 For Sizes A, B, D, Q & S AXY, POE68 For Sizes A, B, D, S, V, Z AXH / V, Z & W AXY / S AXHT, PAG100 For Sizes V, Z, W AXHT, PAG150 For Size W AXH)	■	■	■	■	■	■	■	■	■	■
Liquid injection connection			■	■			■	■	■	■
Suction shut-off valve	■	■	■	■	■	■	■	■	■	■
Discharge shut-off valve	■	■	■	■	■	■	■	■	■	■
Nitrogen charge (2bar min)	■	■	■	■	■	■	■	■	■	■
Rubber vibration dampers	■	■	■	■	■	■	■	■	■	■
Crankcase heater	■	■	■	■	■	■	■	■	■	■
US unloader start head			■	■			■	■		
RSH capacity control head		■	■	■		■	■	■		
CC capacity control head			■	■			■	■		
Kit adapters for oil equalization line	■	■	■	■	■	■	■	■	■	■
DP-Modbus Gateway	■	■	■	■	■	■	■	■	■	■
Connection cable Modbus Gateway - INT69	■	■	■	■	■	■	■	■	■	■
USB adapter cable	■	■	■	■	■	■	■	■	■	■
Bluetooth module for Diagnose	■	■	■	■	■	■	■	■	■	■

■ Standard
■ Optional

CONTROL PROTECTION DEVICE

Discharge Temperature Cutoff
The discharge temperature in certain conditions such as high condensing temperatures, low evaporating pressures or extremely high compression ratios, may reach values that can damage the compressor.
All V, Z and W sizes models are supplied with a **safety device** which, in combination with the electronic control module, stops the compressor in the event that the discharge temperature exceeds the set safety limit.

Electronic Safety Device to control lubrication
Frascold compressors in the V, Z and W sizes are supplied complete with an **electronic pressure switch** to control lubrication. It monitors the differential pressure in the lubrication system and stops the compressor in the event of any detected measurement that does not comply with the set safety values. The device is attached directly to the compressor's oil pump and does not require additional fittings.

INT69®
Standard protection equipment on A, B, D, Q and S sizes compressors consists of a chain of PTC or AMS thermistors inserted in the electric motor stator and connected to the **Kriwan INT69®** electronic control module inside the electrical box.

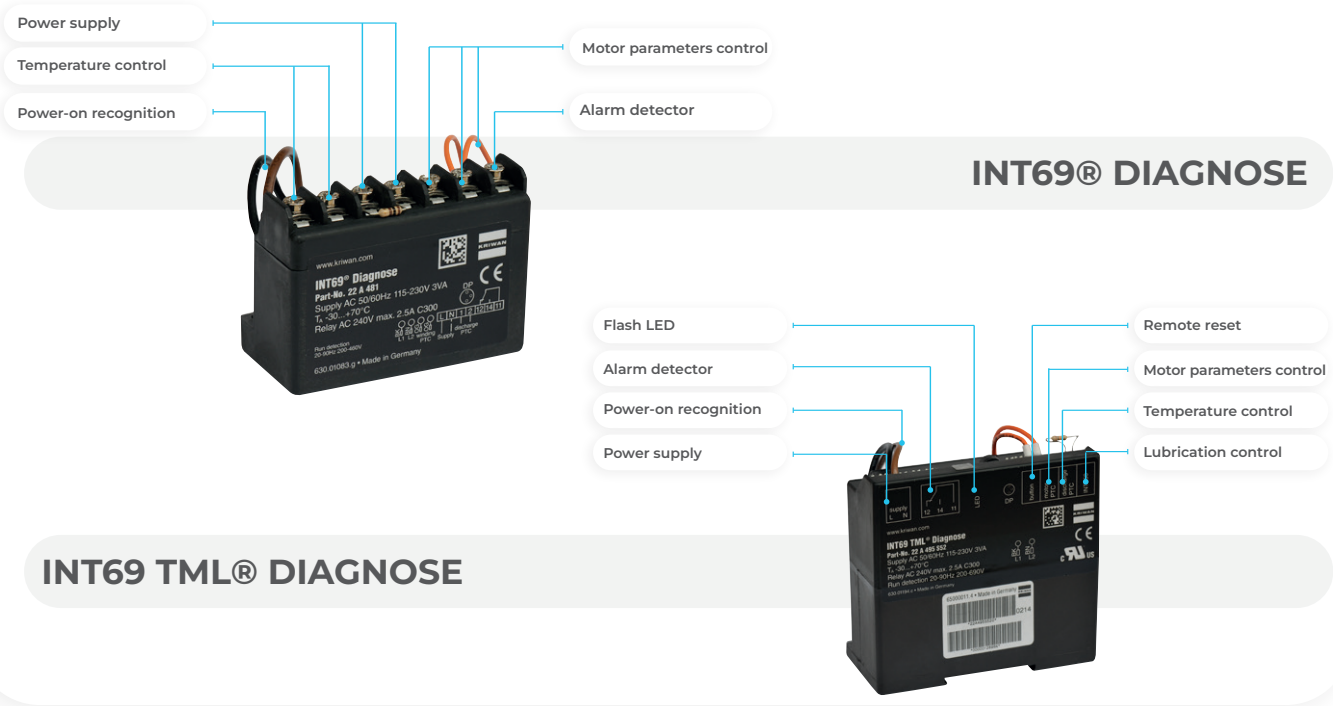
The **INT69®** device is triggered and stops the compressor in the event of thermal overload due to electric motor or mechanical issues.

INT69® Diagnose
Kriwan INT69 TML® Diagnose protection device provides all of the protection of the **INT69®** with advanced diagnostic and communication functions, allowing the compressor to be remotely monitored in real time via modbus.

System conditions are constantly monitored allowing the compressor to be stopped in the event of incorrect functional parameters and a quick identification of the cause of the malfunction through detailed reports.

Stored data allows technicians to accurately and quickly diagnose the past and present state of the cooling system, ensuring fast and cost-effective servicing with short system downtime. **Kriwan INT69® Diagnose** is optional for all models from A to S sizes.

INT69 TML® Diagnose
Kriwan INT69 TML® Diagnose protection device provides all of the protection data logging and remote monitoring capabilities of the **INT69®** and **INT69® Diagnose** but with the addition of lubrication protection. Frascold V, Z and W sizes compressors come standard with **INT69 TML® Diagnose.**



CAPACITY REGULATION

Frascold ATEX certified reciprocating compressors capacity can be regulated with:

1 CAPACITY CONTROL (CC)

2 REDUCED SUCTION HEADS (RSH)

3 VARIABLE FREQUENCY DRIVE (VFD)

1 CAPACITY CONTROL (CC)

Frascold offers a standard capacity control function for ATEX-certified standard semi-hermetic piston compressors. Available on request on 4, 6 and 8-cylinder compressors, capacity may be adjusted by choking the heads in order to adapt the cooling capacity of the system to the actual thermal demand. This reduces the number of start-stop cycles and the stress on the compressor mechanics and electric motor. **Possible control stages:**

	4 CYLINDERS	6 CYLINDERS	8 CYLINDERS
2 STEPS	50 / 100%		
2 OR 3 STEPS		66 / 100%	50 / 75 / 100%

2 REDUCED SUCTION HEADS (RSH)

Frascold's patented **Reduced Suction Head (RSH)** unloading technology represents a revolution in capacity control for ATEX-certified reciprocating semi-hermetic compressors, avoiding problems caused by traditional unloading methods. Reducing to 50% the gas flow of the head, RSH equipped systems:

- **Can run unloaded indefinitely with no additional vibration, heat and stress to the motor** compared to standard unloading methods.
- Match more accurately **fluctuating cooling demand, saving a significant amount of energy** over traditional unloading.

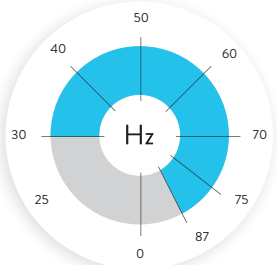
RSH unloading is available exclusively on Frascold's ATEX-certified standard reciprocating compressors (2, 4, 6 and 8 cylinders). RSH equipped systems provide greater application flexibility and significantly reduced energy costs due to the continuous operation of different partialization steps. Fewer start-stop cycles means increased service life, less downtime and lower maintenance costs.

RSH HEADS	2 CYLINDERS	4 CYLINDERS	6 CYLINDERS	8 CYLINDERS
1	50 / 100%	75 / 100%	83 / 100%	87.5 / 100%
2		50 / 75 / 100%	66 / 83 / 100%	75 / 87.5 / 100%
3			50 / 66 / 83 / 100%	62.5 / 75 / 87.5 / 100%
4				50 / 62.5 / 75 / 87.5 / 100%

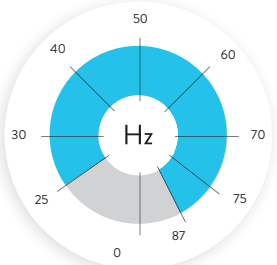
3 VARIABLE FREQUENCY DRIVE (VFD)

All Frascold's ATEX-certified standard reciprocating compressors are designed to be compatible with inverter technology. Inverters, also known as variable frequency drives, can greatly improve performance and efficiency in many applications.

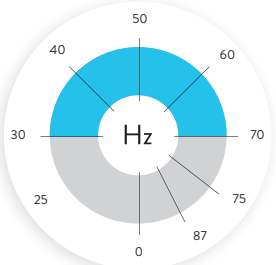
For 400V motors under certain application conditions there may be a narrowing of the frequency range. Always check on the Frascold Selection Software FSS3 for capacity data at the various frequencies.



A-B-D Sizes



Q-S Sizes



V-Z-W Sizes

Technical data and operating limits

Motor Power supply 220-240V (Δ) - 380-420V (Y) / 3ph / 50Hz | 265-290V (Δ) - 440-480V (Y) / 3ph / 60Hz | DOL connection

Model	Cylinders	Displacement		Oil charge (3/4 of sightglass)	Motor vers.	AXY		AXH		LRA Locked motor current DOL motor		Sound pressure @1 meter
						MRA max operating current		MRA max operating current				
		50Hz	60Hz			Δ	Y	Δ	Y	Δ	Y	
		m³/h		[l]		[A]		[A]		[A]		[dBA]
A05-4AXY/H	2	3,95	4,74	1	1	4,9	2,8	4,9	2,5	18,6	10,7	55
A05-5AXY/H	2	4,93	5,92	1	2	4,7	2,7	4,7	2,4	18,6	10,7	54,5
A07-5AXY/H	2	4,93	5,92	1	1	4,7	2,7	4,7	2,6	18,6	10,7	55
A07-6AXY/H	2	5,47	6,56	1	2	4,9	2,8	4,9	2,8	18,6	10,7	55,5
A1-6AXY/H	2	5,47	6,56	1	1	6,2	3,6	6,3	3,6	23,6	13,6	55,5
A1-7AXY/H	2	6,91	8,29	1	2	6,4	3,7	6,4	4,3	23,6	13,6	56,5
A1.5-7AXY/H	2	6,91	8,29	1	1	7,9	4,5	7,9	4,7	35,8	20,6	56,5
A1.5-8AXY/H	2	7,65	9,18	1	1	8,4	4,8	7,5	4,3	35,8	20,6	55
B1.5-9.1AXY/H	2	8,96	10,75	1	2	10,2	5,9	10,2	6,1	46,6	26,8	55
B1.5-10.1AXY/H	2	9,88	11,86	1	2	9,5	5,5	9,5	5,5	46,6	26,8	57,5
B2-10.1AXY/H	2	9,88	11,86	1	1	11,7	6,7	10,4	6	62,5	35,9	58,5
D2-11.1AXY/H	2	11,26	13,51	0,95	1	12,4	7,1	11,1	6,4	62,5	35,9	58,3
D2-13.1AXY/H	2	13,15	15,78	0,95	2	12,4	7,1	11,6	6,7	62,5	35,9	58,5
D3-13.1AXY/H	2	13,15	15,78	1,1	1	15,3	8,8	15,3	8,6	75,9	43,7	58,5
D2-15.1AXY/H	2	15,36	18,43	0,95	2	14,6	8,4	14,6	7,7	62,5	35,9	58,5
D3-15.1AXY/H	2	15,36	18,43	1,1	1	17,6	10,1	17,5	9	75,9	43,7	58,7
D3-16.1AXY/H	2	16,4	19,68	1,1	2	17,2	9,9	17,2	8,3	75,9	43,7	59
D4-16.1AXY/H	2	16,4	19,68	1,1	1	20,1	11,6	20,1	10,7	90,3	52	59
D3-18.1AXY/H	2	17,93	21,52	1,1	2	17,3	10	17,3	9,7	75,9	43,7	59
D4-18.1AXY/H	2	17,93	21,52	1,1	1	21,7	12,5	20,5	11,8	90,3	52	59
D3-19.1AXY/H	2	19,12	22,94	1,1	2	17	9,8	17	10,3	75,9	43,7	59,2
D4-19.1AXY/H	2	19,12	22,94	1,1	1	20,5	11,8	20,6	11,9	90,3	52	59,2
Q4-20.1AXY/H	4	19,77	23,72	1,3	2	17,5	10,1	15,6	9	92,6	53,2	59
Q4-21.1AXY/H	4	21,18	25,42	1,3	2	17,3	10	16,5	9,5	92,6	53,2	62
Q5-21.1AXY/H	4	21,18	25,42	1,3	1	20,1	11,6	18,8	10,8	109,7	63,1	62
Q4-24.1AXY/H	4	23,91	28,69	1,3	2	20,3	11,7	18	10,4	92,6	53,2	62
Q5-24.1AXY/H	4	23,91	28,69	1,3	1	23,9	13,8	23,9	13,8	109,7	63,1	62
Q4-25.1AXY/H	4	24,69	29,63	1,3	2	19,1	11	18,4	10,6	92,6	53,2	62
Q5-25.1AXY/H	4	24,69	29,63	1,3	2	22,1	12,7	23,1	13,3	109,7	63,1	62
Q7-25.1AXY/H	4	24,69	29,63	1,3	1	26,8	15,4	26,8	14,7	152	87,3	63,3
Q5-28.1AXY/H	4	28,02	33,62	1,3	2	24,3	14	20,8	12	109,7	63,1	64
Q7-28.1AXY/H	4	28,02	33,62	1,3	1	30,7	17,6	30,3	17,4	152	87,3	64
Q5-33.1AXY/H	4	32,66	39,19	1,3	2	25	14,4	25	14,5	109,7	63,1	64,5
Q7-33.1AXY/H	4	32,66	39,19	1,3	1	34,7	20	34,7	20,6	152	87,3	64,5
Q7-36.1AXY/H	4	35,86	43,03	1,3	2	33,6	19,4	34,3	20,4	152	87,3	65,5
Q9-36.1AXY/H	4	35,86	43,03	1,3	1	38,6	22,2	38,6	22,2	168	96,8	65,5
Q9-39.1AXY/H	4	38,57	46,28	1,3	2	38,6	22,2	38,6	22,2	168	96,8	66,5
Q10-39.1AXY/H	4	38,57	46,28	1,3	1	41,2	23,7	41,2	23,7	201	116	66,5

Find the most updated information and other supply voltages in our Frascold Selection Software FSS3 at the link: https://www.frascold.it/en/software

Technical data and operating limits

Motor Power supply 380-420V (Y) / 3ph / 50Hz | 440-480V (Y) / 3ph /60Hz | PWS connection

Model	Cylinders	Displacement		Oil charge (3/4 of sightglass)	Motor vers.[1]	AXY	AXH	AXHT	AXY / AXH	AXHT	Sound pressure @1 meter
		50Hz	60Hz			MRA max operating current			LRA Locked motor current PWS motor		
		m³/h		[l]		[A]	[A]	[A]	[A]	[A]	[dBA]
S5-33AXY/H	4	32,8	39,36	2,9	2	15,9	15,5	-	35,5	-	64,5
S7-33AXY/H/HT	4	32,8	39,36	2,9	1	20,4	18,9	18,7	47	50,1	64,5
S8-42AXY/H	4	41,32	49,58	2,9	2	20,3	19,5	-	52,7	-	67
S12-42AXY/H/HT	4	41,32	49,58	2,9	1	22,4	21,6	24,5	59,1	60,6	67
S10-52AXY/H	4	51,5	61,8	2,9	2	24,5	22	-	59,1	-	68,5
S15-52AXY/H/HT	4	51,5	61,8	2,9	1	32,4	28,7	33,3	74,8	82	68,5
S15-56AXY/H	4	56	67,2	2,9	2	30,7	26,6	-	74,8	-	70,5
S20-56AXY/HT	4	56	67,2	2,9	1	38,4	-	37	87,5	100	70,5
S20-56.1AXH	4	56	67,2	2,9	1	-	34	-	100	-	70,5
S20-63AXY/H	4	63,2	75,84	2,9	2	33	28,3	-	102	-	71,5
S25-63AXY/H	4	63,2	75,84	2,9	1	39,5	37,9	-	112	-	71,5
V15-59AXY/H	4	58,48	70,18	4	2	31,1	26,8	-	74,8	-	69,5
V20-59AXY/H/HT	4	58,48	70,18	4	1	35,3	30,2	35,4	106,6	103	69,5
V15-71AXY/H	4	70,77	84,92	4	2	32,2	31,5	-	74,8	-	70
V25-71AXY/H/HT	4	70,77	84,92	4	1	43,5	-	45,1	118,3	125	70
V25-71.1AXY/H	4	70,77	84,92	4	1	-	42	-	125	-	70
V20-84AXY/H	4	83,81	100,57	4	2	42,6	36,2	-	106,6	-	73
V30-84AXY/H/HT	4	83,81	100,57	4	1	49,2	44	53,3	132,6	142	73
V25-93AXY/H	4	93,05	111,66	4	2	52,3	39,6	-	118,3	-	71,5
V32-93AXY/H/HT	4	93,05	111,66	4	1	53,1	42,8	59	144,5	142	71,5
V25-103AXY/H	4	102,9	123,48	4	2	52,3	42,2	-	118,3	-	72,5
V35-103AXY/H/HT	4	102,9	123,48	4	1	61	47	66,3	144,5	175	72,5
V30-112AXY/H	4	112,11	134,53	4	2	56	45,6	-	132,6	-	73
V35-112AXY/H	4	112,11	134,53	4	1	67,5	63,4	-	144,5	-	73
V30-123AXY/H	4	123,13	147,76	4	2	60,5	51,5	-	132,6	-	73,5
V40-123AXY/H	4	123,13	147,76	4	1	76,5	70,3	-	159,2	-	73,5
Z25-106AXY/H	6	106,16	127,39	3,7	2	53,6	43,9	-	118,3	-	74
Z35-106AXY/H/HT	6	106,16	127,39	3,7	1	60,2	53,9	68,3	144,5	175	74
Z30-126AXY/H	6	125,72	150,86	7,2	2	55,7	51	-	132,6	-	75,5
Z40-126AXY/H/HT	6	125,72	150,86	7,2	1	71,9	61	83,5	159,2	190	75,5
Z40-140AXY/H	6	139,68	167,62	7,2	2	70	64,2	-	159,2	-	75
Z50-140AXY/H/HT	6	139,68	167,62	7,2	1	79,5	67	91,4	188,6	190	75
Z40-154AXY/H	6	154,38	185,26	7,2	2	77,9	71,5	-	159,2	-	75
Z50-154AXY/H	6	154,38	185,26	7,2	1	90,4	74,6	-	188,6	-	75
Z40-168AXY/H	6	168,16	201,79	7,2	2	77,9	71,5	-	159,2	-	76
Z50-168AXY/H	6	168,16	201,79	7,2	1	90,4	74,6	-	188,6	-	76
Z50-185AXY/H	6	184,7	221,64	7,2	2	90,4	74,6	-	188,6	-	77
W40-142AXY/H/HT	8	141,5	169,8	7,7	1	89,3	72,5	93	215	258	75,5
W40-168AXY/H	8	167,6	201,12	7,7	2	71,4	73,7	-	215	-	76
W50-168AXY/H/HT	8	167,6	201,12	7,7	1	94,8	89,3	110	258	326	76
W50-187AXY/H	8	186,1	223,32	7,7	2	89,1	87,3	-	258	-	80,5
W60-187AXY/H/HT	8	186,1	223,32	7,7	1	103,5	99,8	124	326	390	80,5
W60-206AXY/H	8	205,8	246,96	7,7	2	98,8	85,4	-	326	-	81
W70-206AXY/H/HT	8	205,8	246,96	7,7	1	116,8	103,3	135	390	417	81
W70-228AXY/H	8	227,77	273,32	7,7	2	109,5	94,2	-	390	-	81,4
W75-228AXY/H	8	227,77	273,32	7,7	1	128,4	107,9	-	417	-	81,4
W75-240AXY/H	8	239,02	286,82	7,7	2	115,3	101,8	-	417	-	83
W80-240AXY/H	8	239,02	286,82	7,7	1	135,7	111,2	-	417	-	83

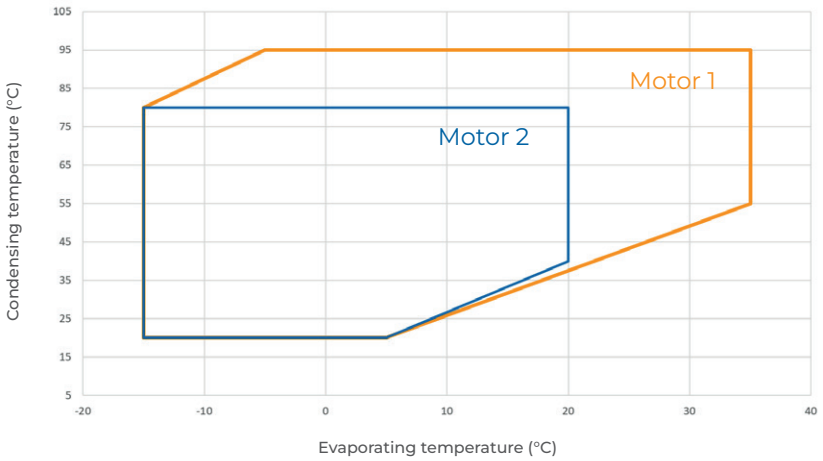
1. **Motor version refers only to AXY and AXH compressors**

Tolerance ±10% compared to the average value of the motor voltage range. Other voltages are available on request.
To select contactors, cables and fuses, consider the MRA and the maximum absorbed power. Use AC3 category contactors.

OPERATING LIMITS

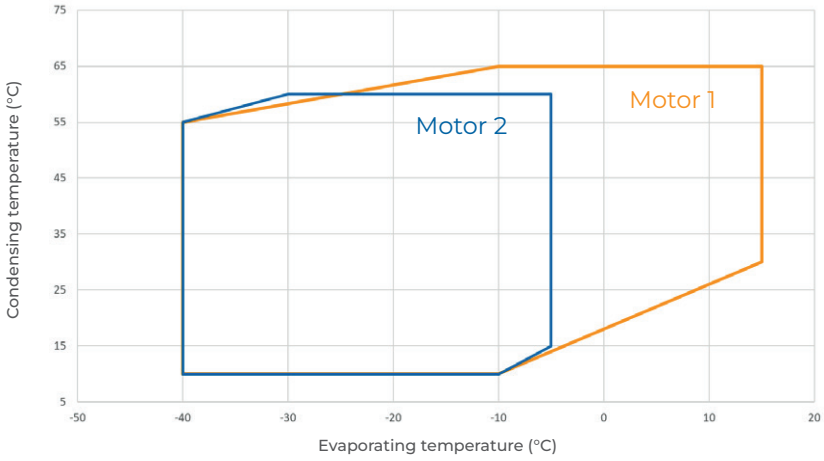
Motor 1 - Medium temperature applications
Motor 2 - Low temperature applications

AXY R123Ze



Standard application diagram
Size of the motor: 1 - 2
Compressor at 100% of the capacity

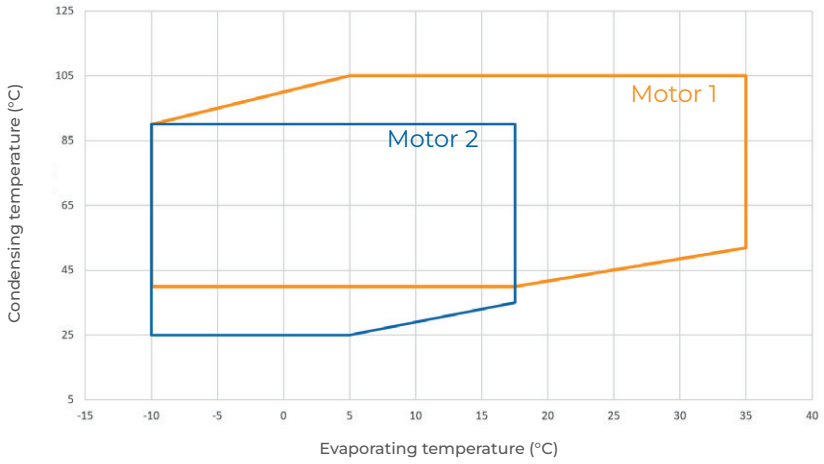
AXH R290



Standard application diagram
Size of the motor: 1 - 2
Compressor at 100% of the capacity

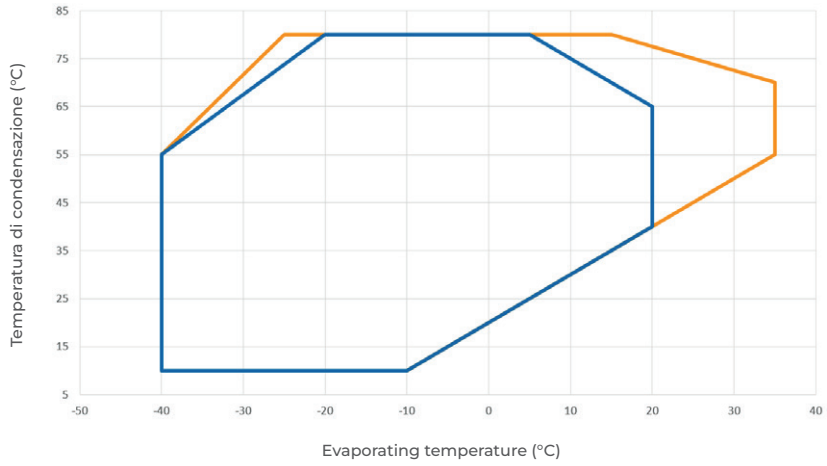
Diagrams published in this catalogue are to be considered as a general diagram for the full range of standard and HT ATEX-certified semi-hermetic reciprocating compressors. For specific model and refrigerant performance data, please use the FSS3 Frascold Selection Software available for free download at **https://www.frascold.it/en/software**

AXH R600a



Standard application diagram
Size of the motor: 1 - 2
Compressor at 100% of the capacity

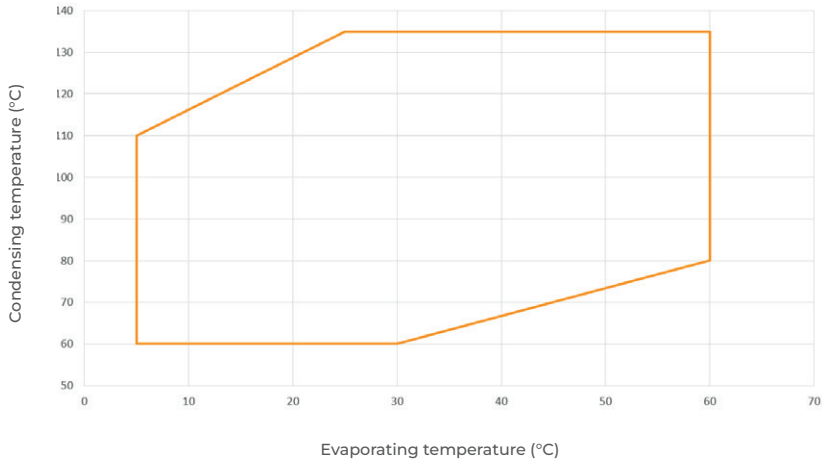
AXHT R290



Standard application diagram
Compressor at 100% of the capacity

R290 HT - V, Z, W
R290 HT - S

AXHT R600

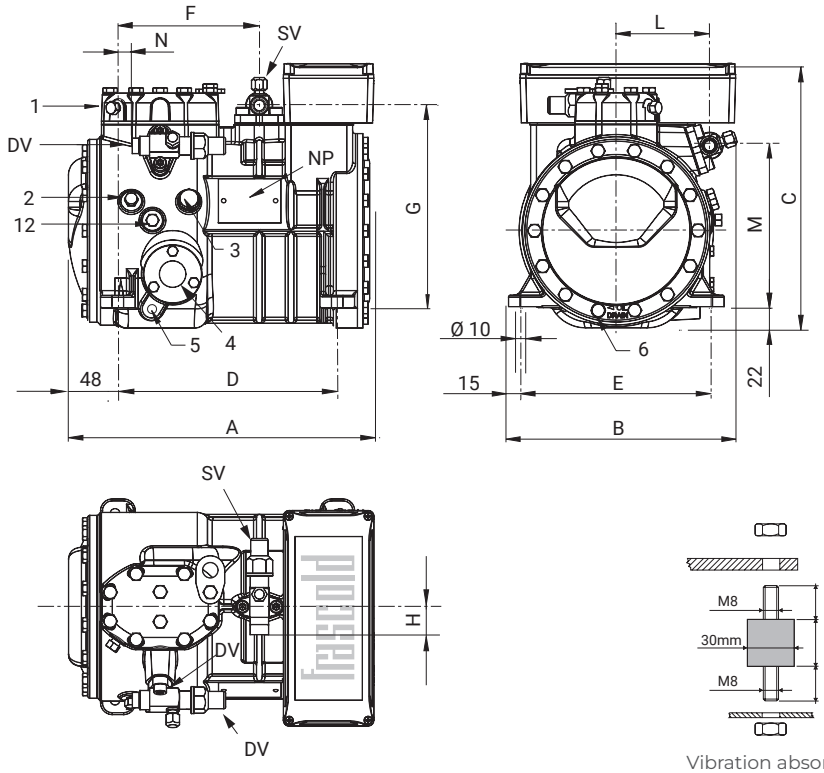


Standard application diagram
Compressor at 100% of the capacity

TECHNICAL DRAWINGS AND DIMENSIONS

Size A

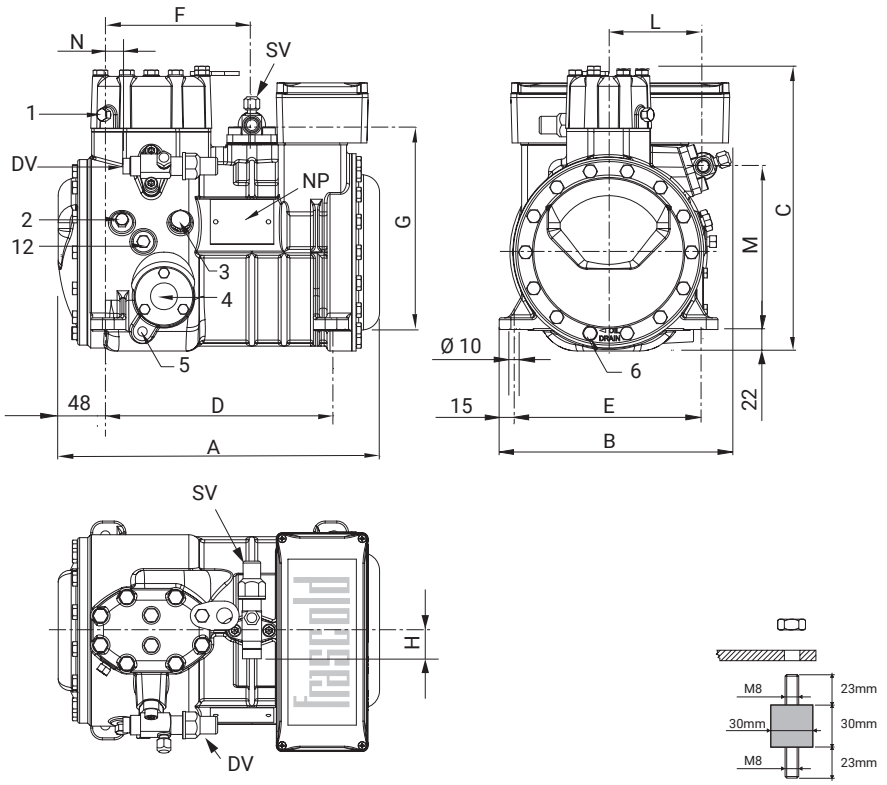
	Compressor					Valves position						Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
A05-4AXY/H	317	237	275	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	36
A05-5AXY/H	317	237	275	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	36
A07-5AXY/H	317	237	275	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	36
A07-6AXY/H	317	237	275	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	36
A1-6AXY/H	317	237	275	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	36
A1-7AXY/H	317	237	275	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	36
A1.5-7AXY/H	317	237	275	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	36
A1.5-8AXY/H	317	237	275	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	36



Vibration absorber

1	High pressure plug	1/8” NPT
2	Low pressure plug	1/8” NPT
3	Oil charge plug	1/4” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	M8 x 22
12	Oil return plug	1/8” NPT
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

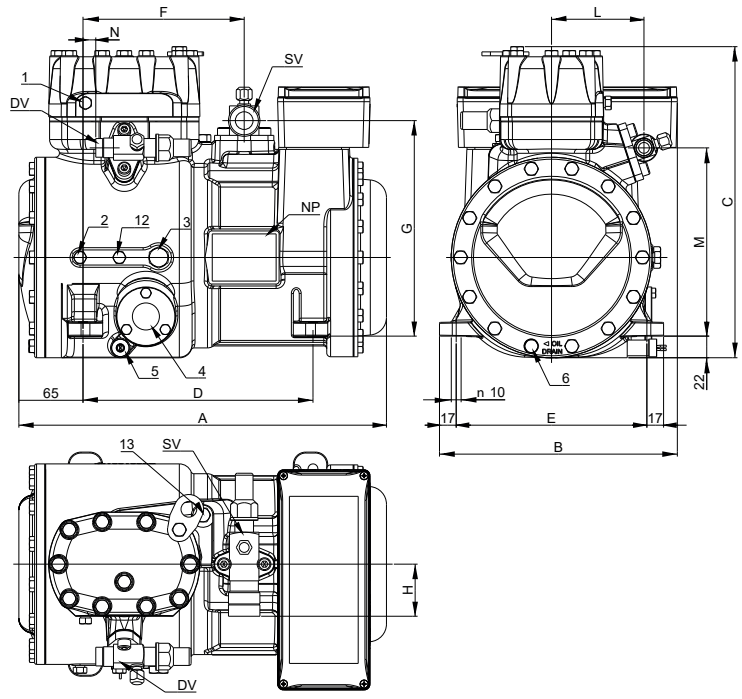
	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
B1.5-9.1AXY/H	329	237	292	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	38
B1.5-10.1AXY/H	329	237	292	234	194	150	209	29	97	167	18	5/8”	16	1/2”	12,7	38
B2-10.1AXY/H	334	237	292	234	194	150	209	31	97	167	18	3/4”	19	5/8”	16	40

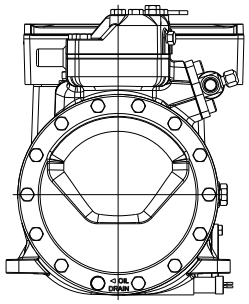


Vibration absorber

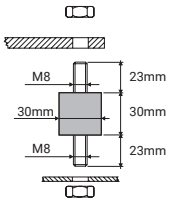
1	High pressure plug	1/8” NPT
2	Low pressure plug	1/8” NPT
3	Oil charge plug	1/4” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	M8 x 22
12	Oil return plug	1/8” NPT
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
D2-11.1AXY/H*	369	242	294	234	194	165	221	42	94	192	13	7/8”	22,2	5/8”	16	45
D2-13.1AXY/H*	369	242	294	234	194	165	221	42	94	192	13	7/8”	22,2	5/8”	16	45
D3-13.1AXY/H	374	242	317	234	194	165	225	53	94	192	13	1 1/8”	28,6	5/8”	16	49
D2-15.1AXY/H*	369	242	294	234	194	165	221	42	94	192	13	7/8”	22,2	5/8”	16	45
D3-15.1AXY/H	374	242	317	234	194	165	225	53	94	192	13	1 1/8”	28,6	5/8”	16	49
D3-16.1AXY/H	374	242	317	234	194	165	225	53	94	192	13	1 1/8”	28,6	5/8”	16	49
D4-16.1AXY/H	401	242	317	234	194	165	225	53	94	192	5	1 1/8”	28,6	3/4”	19	55
D3-18.1AXY/H	374	242	317	234	194	165	225	53	94	192	13	1 1/8”	28,6	5/8”	16	55
D4-18.1AXY/H	401	242	317	234	194	165	225	53	94	192	5	1 1/8”	28,6	3/4”	19	55
D3-19.1AXY/H	374	242	317	234	194	165	225	53	94	192	13	1 1/8”	28,6	5/8”	16	49
D4-19.1AXY/H	401	242	317	234	194	165	225	53	94	192	5	1 1/8”	28,6	3/4”	19	55





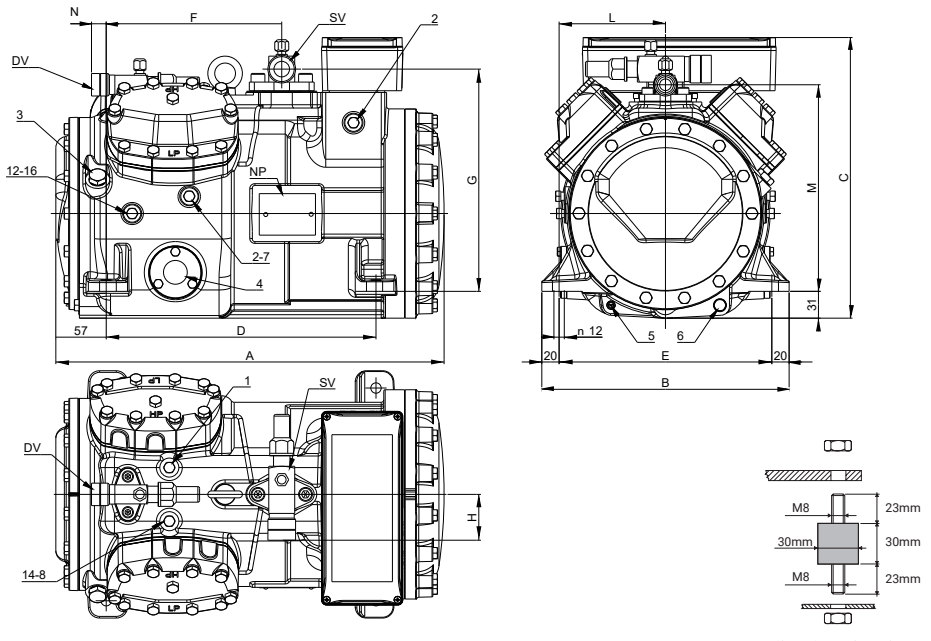
Only models with *



Vibration absorber

1	High pressure plug	1/8” NPT
2	Low pressure plug	1/8” NPT
3	Oil charge plug	1/4” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	M8 x 22
12	Oil return plug	1/8” NPT
13	Liquid injection plug	
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

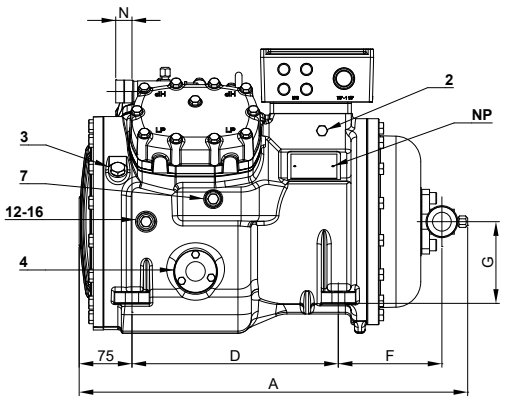
	Compressor					Valves position						Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
Q4-20.1AXY/H	449	286	325	312	246	203	258	53	123	239	12	1 1/8”	28,6	3/4”	19	74
Q4-21.1AXY/H	449	286	325	312	246	203	258	53	123	239	12	1 1/8”	28,6	3/4”	19	79
Q5-21.1AXY/H	449	286	325	312	246	203	258	53	123	239	12	1 1/8”	28,6	3/4”	19	79
Q4-24.1AXY/H	449	286	325	312	246	203	258	53	123	239	12	1 1/8”	28,6	3/4”	19	79
Q5-24.1AXY/H	449	286	325	312	246	203	258	53	123	239	17	1 1/8”	28,6	7/8”	22,225	79
Q4-25.1AXY/H	449	286	325	312	246	203	258	53	123	239	12	1 1/8”	28,6	3/4”	19	77
Q5-25.1AXY/H	449	286	325	312	246	203	258	53	123	239	17	1 1/8”	28,6	7/8”	22,225	79
Q7-25.1AXY/H	449	286	325	312	246	203	258	53	123	239	17	1 1/8”	28,6	7/8”	22,225	79
Q5-28.1AXY/H	449	286	325	312	246	203	261	58	123	239	17	1 3/8”	35	7/8”	22,225	79
Q7-28.1AXY/H	449	286	328	312	246	203	261	58	123	239	28	1 3/8”	35	1 1/8”	28,575	79
Q5-33.1AXY/H	449	286	328	312	246	203	261	58	123	239	28	1 3/8”	35	1 1/8”	28,575	79
Q7-33.1AXY/H	449	286	328	312	246	203	261	58	123	239	28	1 3/8”	35	1 1/8”	28,575	79
Q7-36.1AXY/H	449	286	328	312	246	203	261	58	123	239	28	1 3/8”	35	1 1/8”	28,575	79
Q9-36.1AXY/H	464	286	328	312	246	203	261	58	123	239	28	1 3/8”	35	1 1/8”	28,575	83
Q9-39.1AXY/H	464	286	328	312	246	203	261	58	123	239	28	1 3/8”	35	1 1/8”	28,575	83
Q10-39.1AXY/H	480	286	328	312	246	203	261	58	123	239	28	1 3/8”	35	1 1/8”	28,575	88

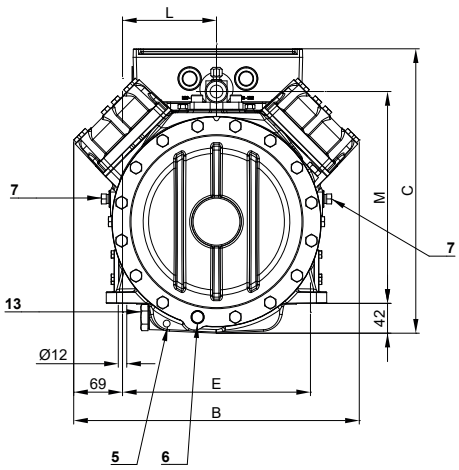


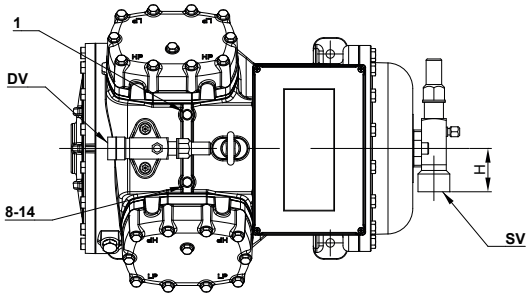
Vibration absorber

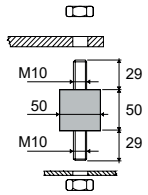
1	High pressure plug	1/8” NPT
2	Low pressure plug	1/8” NPT
3	Oil charge plug	1/4” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	M8 x 22
7	Liquid injection valve plug	1/8” NPT
8	Liquid injection sensor plug	1/8” NPT
12	Oil return plug	1/8” NPT
14	Max discharge temperature sensor	1/8” NPT
16	Crankcase pressure plug	1/8” NPT
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
S5-33AXY/H	550	405	405	292	266	147	115	58	133	298	23	1 3/8”	35	1 1/8”	28,575	115
S7-33AXY/H	550	405	405	292	266	147	115	58	133	298	23	1 3/8”	35	1 1/8”	28,575	117
S8-42AXY/H	550	405	405	292	266	147	115	58	133	298	23	1 3/8”	35	1 1/8”	28,575	117
S12-42AXY/H	550	405	405	292	266	147	115	58	133	298	23	1 3/8”	35	1 1/8”	28,575	120
S10-52AXY/H	550	405	405	292	266	147	115	58	133	298	23	1 3/8”	35	1 1/8”	28,575	120
S15-52AXY/H	550	405	405	292	266	147	115	61	133	298	23	1 5/8”	42	1 1/8”	28,575	126
S15-56AXY/H	550	405	405	292	266	147	115	61	133	298	23	1 5/8”	42	1 1/8”	28,575	130
S20-56AXY/H	550	405	405	292	266	147	115	61	133	298	23	1 5/8”	42	1 1/8”	28,575	140
S7-33AXHT	550	405	405	292	266	147	115	58	133	298	23	1 3/8”	35	1 1/8”	28,575	117
S12-42AXHT	550	405	405	292	266	147	115	61	133	298	23	1 3/8”	35	1 1/8”	28,575	127
S15-52AXHT	550	405	405	292	266	147	115	61	133	298	23	1 5/8”	42	1 1/8”	28,575	139
S20-56AXHT	550	405	405	292	266	147	115	61	133	298	23	1 5/8”	42	1 1/8”	28,575	150





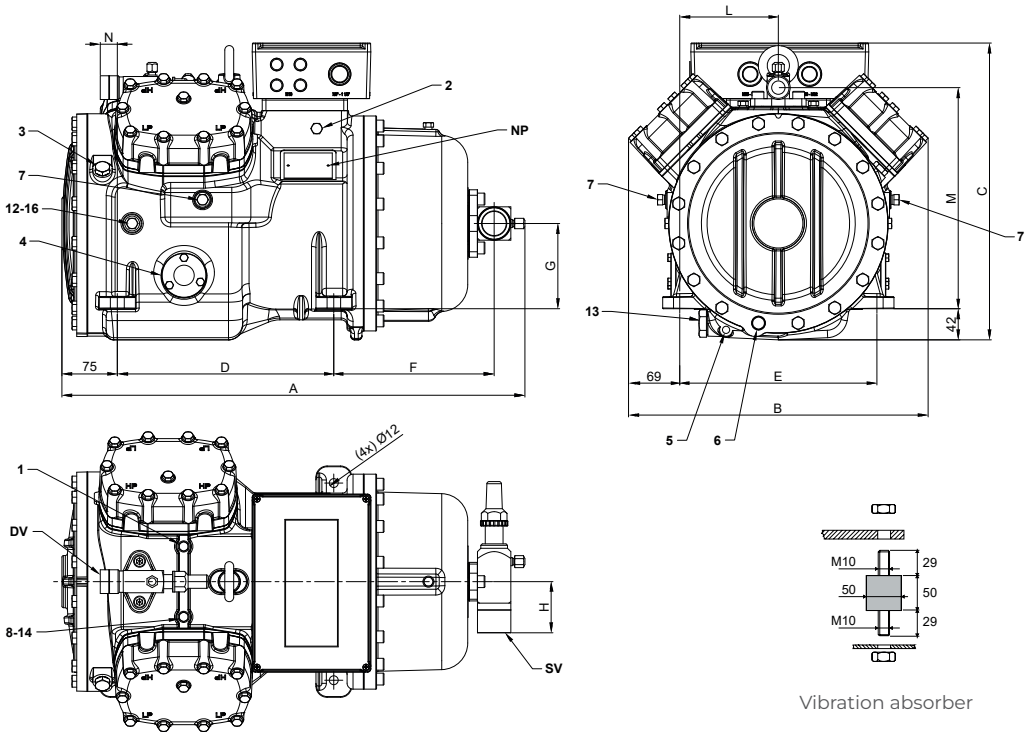




Vibration absorber

1	High pressure plug	1/8” NPT
2	Low pressure plug	1/4” NPT
3	Oil charge plug	1/4” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	M10 x 30
7	Liquid injection valve plug	1/4” NPT
8	Liquid injection sensor plug	1/8” NPT
12	Oil return plug	1/4” NPT
13	Magnetic plug	1/2” GAS
14	Max discharge temperature sensor	1/8” NPT
16	Crankcase pressure plug	1/4” NPT
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

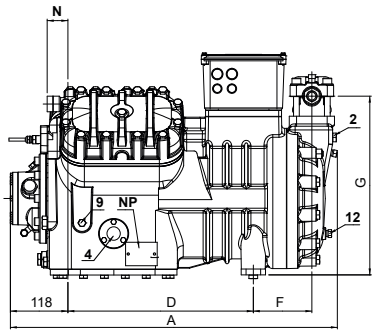
	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
S20-56.1AXY/H	550	405	405	292	266	147	115	61	133	298	23	1 5/8”	42	1 1/8”	28,575	140
S20-63AXY/H	625	405	401	292	266	216	115	69	133	298	23	1 5/8”	42	1 1/8”	28,575	137
S25-63AXY/H	625	405	401	292	266	216	115	69	133	298	23	1 5/8”	42	1 1/8”	28,575	139

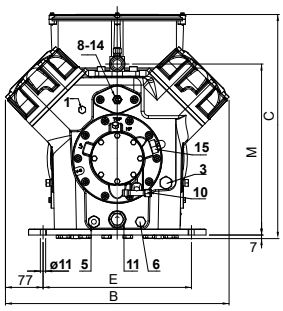


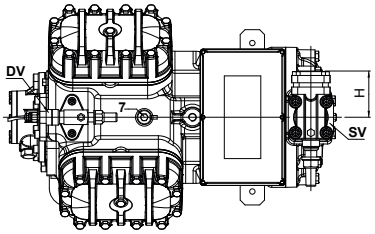
Vibration absorber

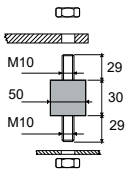
1	High pressure plug	1/8” NPT
2	Low pressure plug	1/8” NPT
3	Oil charge plug	1/4” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	M10 x 30
7	Liquid injection valve plug	1/4” NPT
8	Liquid injection sensor plug	1/8” NPT
12	Oil return plug	1/4” NPT
13	Magnetic plug	1/2” GAS
14	Max discharge temperature sensor	1/8” NPT
16	Crankcase pressure plug	1/4” NPT
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
V15-59AXY/H	672	460	463	381	305	120	367	95	152	352	43	1 5/8”	42	1 1/8”	28,575	170
V20-59AXY/H	672	460	463	381	305	120	367	95	152	352	43	1 5/8”	42	1 1/8”	28,575	174
V15-71AXY/H	672	460	463	381	305	120	367	95	152	352	43	1 5/8”	42	1 1/8”	28,575	170
V25-71AXY/H	703	460	463	381	305	133	389	130	152	352	48	2 1/8”	54	1 3/8”	35	190
V25-71.1AXY/H	703	460	463	381	305	133	389	130	152	352	48	2 1/8”	54	1 3/8”	35	190
V20-84AXY/H	672	460	463	381	305	120	367	95	152	352	43	1 5/8”	42	1 1/8”	28,575	180
V30-84AXY/H	703	460	463	381	305	133	389	130	152	352	48	2 1/8”	54	1 3/8”	35	187
V25-93AXY/H	703	460	463	381	305	133	389	130	152	352	48	2 1/8”	54	1 3/8”	35	190
V32-93AXY/H	743	460	463	381	305	158	389	130	152	352	48	2 1/8”	54	1 3/8”	35	192
V25-103AXY/H	703	460	463	381	305	133	389	130	152	352	48	2 1/8”	54	1 3/8”	35	190
V35-103AXY/H	743	460	463	381	305	158	389	130	152	352	48	2 1/8”	54	1 3/8”	35	193
V30-112AXY/H	743	460	463	381	305	158	389	130	152	352	48	2 1/8”	54	1 3/8”	35	190
V35-112AXY/H	743	460	463	381	305	158	389	130	152	352	48	2 1/8”	54	1 3/8”	35	193
V40-123AXY/H	743	460	463	381	305	158	389	130	152	352	48	2 1/8”	54	1 3/8”	35	199





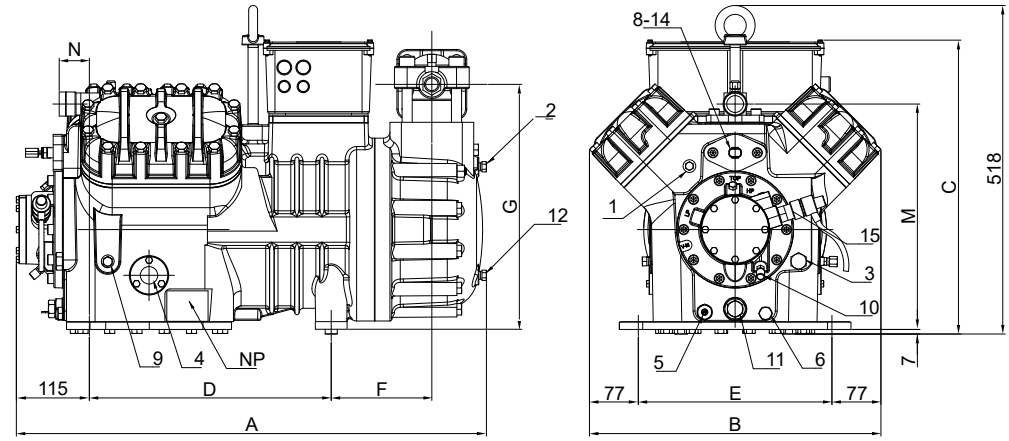


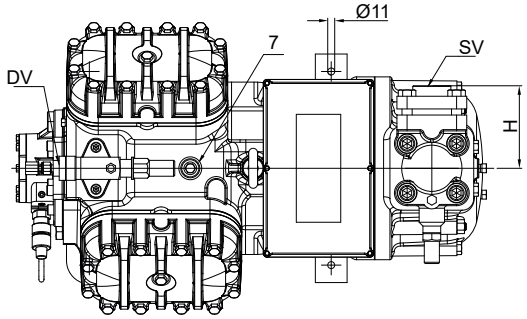


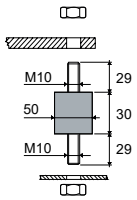
Vibration absorber

1	High pressure plug	1/8” NPT
2	Low pressure plug	1/4” NPT
3	Oil charge plug	3/8” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	1/4” GAS
7	Liquid injection valve plug	1/4” NPT
8	Liquid injection sensor plug	1/8” NPT
9	Oil pressure switch connection (LP)	1/4” NPT
10	Oil pressure switch connection (HP)	1/4” SAE
11	Oil filter	3/8" GAS
12	Oil return plug	1/4” NPT
14	Max discharge temperature sensor	1/8” NPT
15	Electronic oil pressure switch connection	3/4” UNF
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

	Compressor					Valves position						Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
V20-59AXHT	700	459	463	381	305	133	386	130	152	352	43	2 1/8"	54	1 1/8"	28,575	185
V25-71AXHT	703	460	463	381	305	133	389	130	152	352	48	2 1/8"	54	1 3/8"	35	197
V30-84AXHT	741	459	463	381	305	159	386	130	152	355	48	2 1/8"	54	1 3/8"	35	200
V32-93AXHT	743	460	463	381	305	158	389	130	152	352	48	2 1/8"	54	1 3/8"	35	192
V35-103AXHT	743	460	463	381	305	158	389	130	152	352	48	2 1/8"	54	1 3/8"	35	197



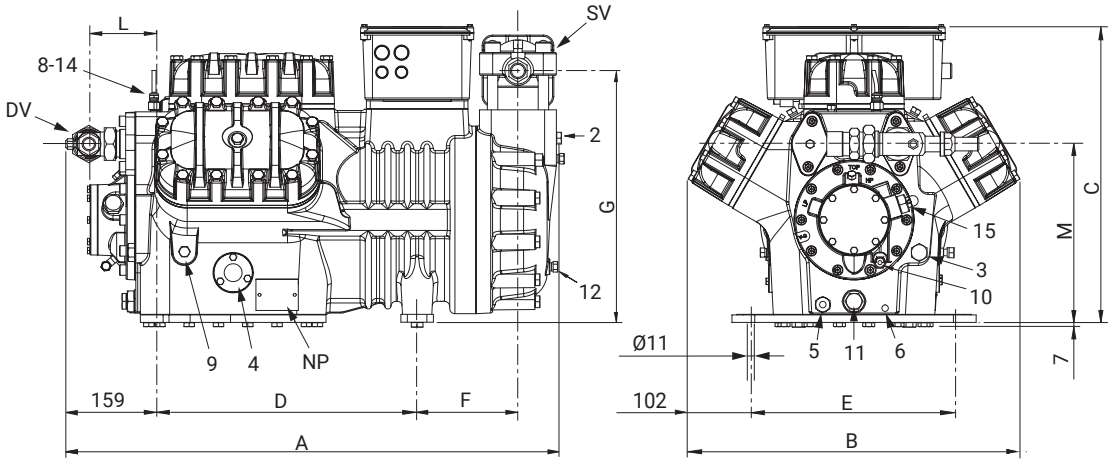


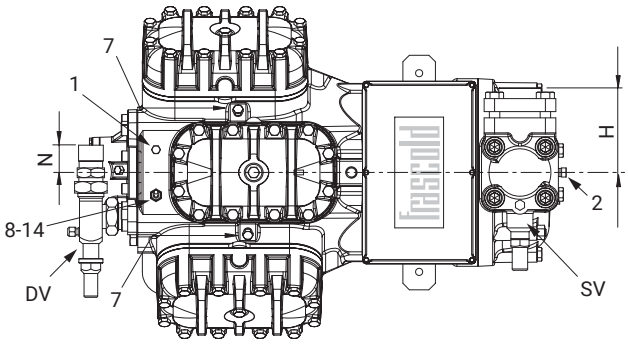


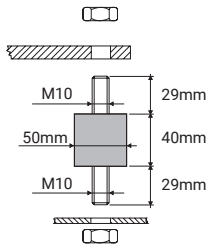
Vibration absorber

1	High pressure plug	1/8" NPT
2	Low pressure plug	1/4" NPT
3	Oil charge plug	3/8" GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	1/4" GAS
7	Liquid injection valve plug	1/4" NPT
8	Liquid injection sensor plug	1/8" NPT
9	Oil pressure switch connection (LP)	1/4" NPT
10	Oil pressure switch connection (HP)	1/4" SAE
11	Oil filter	3/8" GAS
12	Oil return plug	1/4" NPT
14	Max discharge temperature sensor	1/8" NPT
15	Electronic oil pressure switch connection	3/4" UNF
DV	Discharge valve	1 3/8" in - 35 mm
SV	Suction valve	2 1/8" in - 54 mm
NP	Nameplate	

	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
Z25-106AXY/H	765	509	457	381	305	155	386	130	123	274	42	2 1/8”	54	1 3/8”	35	220
Z35-106AXY/H	806	509	457	381	305	180	386	130	123	274	42	2 1/8”	54	1 3/8”	35	223
Z35-106AXHT	806	509	457	381	305	180	386	130	123	274	42	2 1/8”	54	1 3/8”	35	227



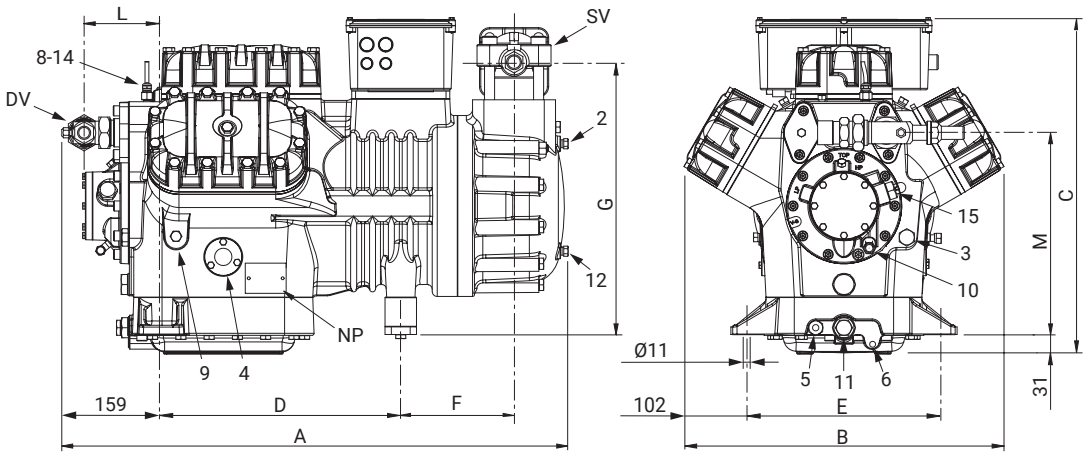


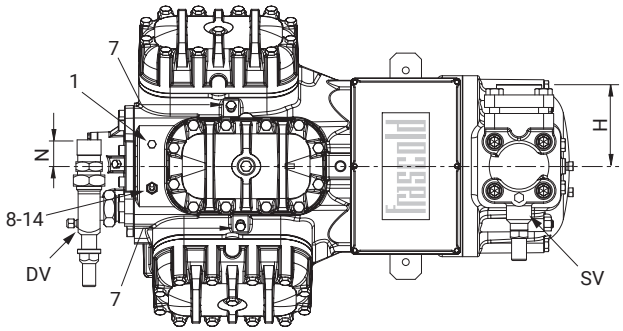


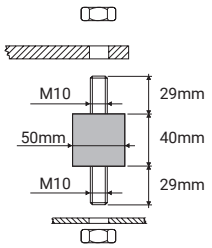
Vibration absorber

1	High pressure plug	1/8” NPT
2	Low pressure plug	1/4” NPT
3	Oil charge plug	3/8” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	1/4” GAS
7	Liquid injection valve plug	1/8” NPT
8	Liquid injection sensor plug	1/8” NPT
9	Oil pressure switch connection (LP)	1/4” NPT
10	Oil pressure switch connection (HP)	1/4” SAE
11	Oil filter	3/8” GAS
12	Oil return plug	1/4” NPT
14	Max discharge temperature sensor	1/8” NPT
15	Electronic oil pressure switch connection	3/4” UNF
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
Z30-126AXY/H	765	509	536	381	305	155	433	130	123	321	42	2 1/8”	54	1 3/8”	35	229
Z40-126AXY/H	806	509	536	381	305	180	433	130	123	321	42	2 5/8”	67	1 5/8”	42	240
Z40-126AXHT	806	509	536	381	305	180	433	130	123	321	42	2 5/8”	67	1 5/8”	42	244







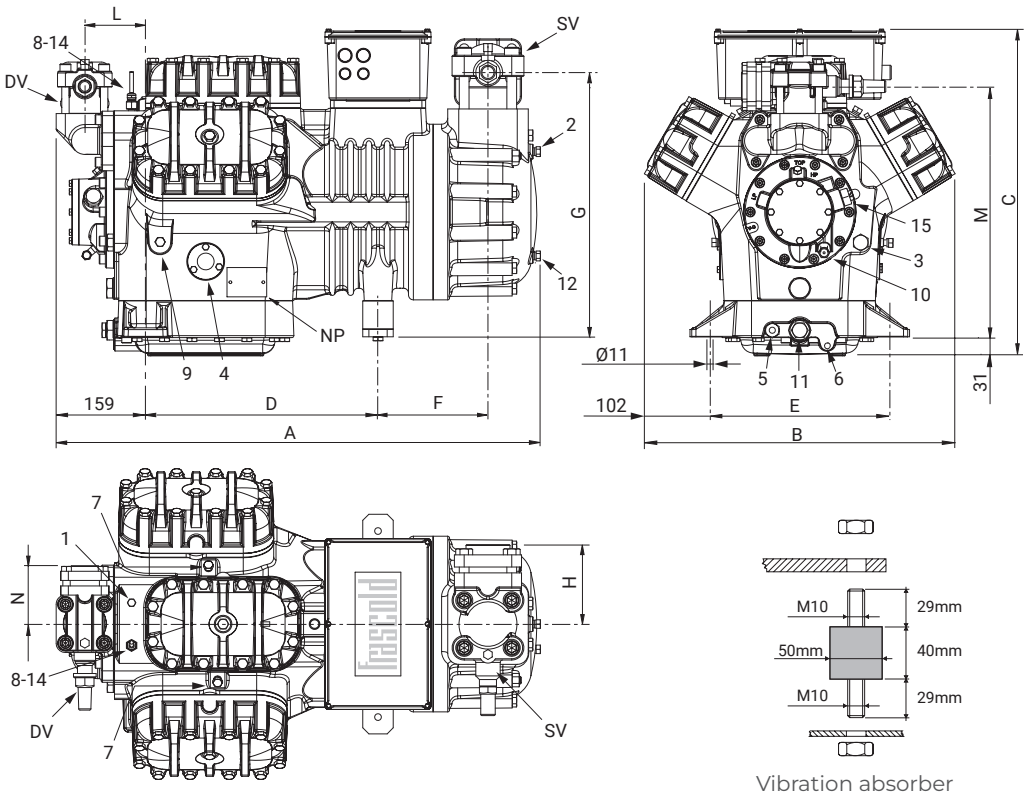
Vibration absorber

1	High pressure plug	1/8” NPT
2	Low pressure plug	1/4” NPT
3	Oil charge plug	3/8” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	1/4” GAS
7	Liquid injection valve plug	1/8” NPT
8	Liquid injection sensor plug	1/8” NPT
9	Oil pressure switch connection (LP)	1/4” NPT
10	Oil pressure switch connection (HP)	1/4” SAE
11	Oil filter	3/8” GAS
12	Oil return plug	1/4” NPT
14	Max discharge temperature sensor	1/8” NPT
15	Electronic oil pressure switch connection	3/4” UNF
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

Technical drawings

Size Z

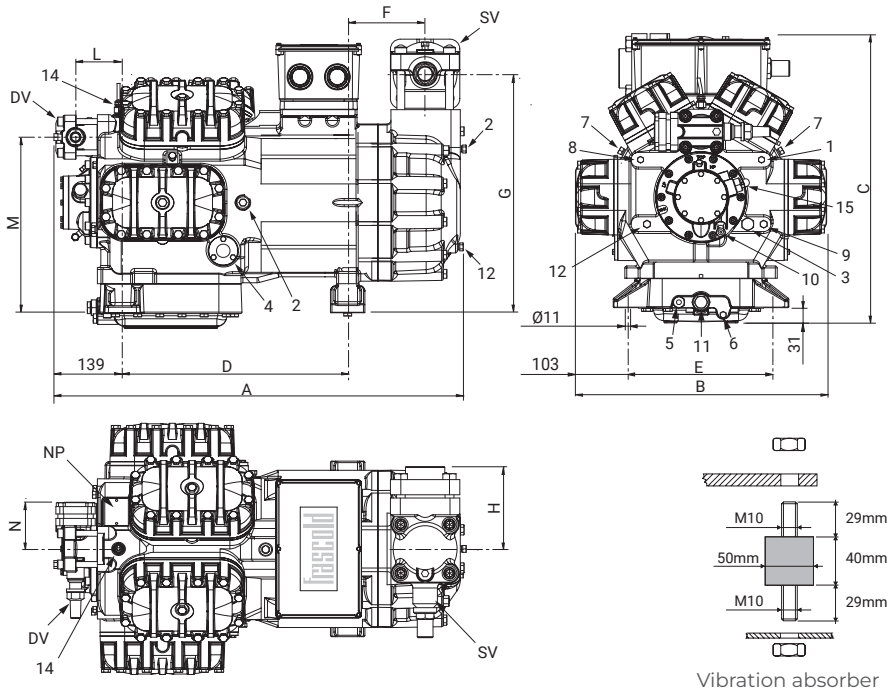
	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
Z40-140AXY/H	794	509	536	381	305	180	433	130	100	411	95	2 5/8”	67	1 5/8”	42	240
Z50-140AXY/H	794	509	536	381	305	180	433	130	100	411	95	2 5/8”	67	1 5/8”	42	244
Z40-154AXY/H	794	509	536	381	305	180	433	130	100	411	95	2 5/8”	67	1 5/8”	42	240
Z50-154AXY/H	794	509	536	381	305	180	433	130	100	411	95	2 5/8”	67	1 5/8”	42	244
Z40-168AXY/H	794	509	536	381	305	180	433	130	100	411	95	2 5/8”	67	1 5/8”	42	240
Z50-168AXY/H	794	509	536	381	305	180	433	130	100	411	95	2 5/8”	67	1 5/8”	42	244
Z50-185AXY/H	794	509	536	381	305	180	433	130	100	411	95	2 5/8”	67	1 5/8”	42	244
Z50-140AXHT	794	509	536	381	305	180	433	130	100	411	95	2 5/8”	67	1 5/8”	42	244



Vibration absorber

1	High pressure plug	1/8” NPT
2	Low pressure plug	1/4” NPT
3	Oil charge plug	3/8” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	1/4” GAS
7	Liquid injection valve plug	1/8” NPT
8	Liquid injection sensor plug	1/8” NPT
9	Oil pressure switch connection (LP)	1/4” NPT
10	Oil pressure switch connection (HP)	1/4” SAE
11	Oil filter	3/8” GAS
12	Oil return plug	1/4” NPT
14	Max discharge temperature sensor	1/8” NPT
15	Electronic oil pressure switch connection	3/4” UNF
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

	Compressor				Valves position							Valves				Net weight
	Lenght	Width	Height	Base mounting		Suction			Discharge			Suction		Discharge		
	A	B	C	D	E	F	G	H	L	M	N	Ø		Ø		
	[mm]					[mm]						[inch]	[mm]	[inch]	[mm]	[Kg]
W40-142AXY/H	838	511	588	458	305	158	486	160	95	358	95	2 5/8”	67	1 5/8”	42	295
W40-168AXY/H	838	511	588	458	305	158	486	160	95	358	95	2 5/8”	67	1 5/8”	42	299
W50-168AXY/H	838	511	588	458	305	158	486	160	95	358	95	3 1/8”	80	1 5/8”	42	305
W50-187AXY/H	838	511	588	458	305	158	486	160	95	358	95	3 1/8”	80	1 5/8”	42	311
W60-187AXY/H	838	511	588	458	305	158	486	160	95	358	95	3 1/8”	80	1 5/8”	42	315
W60-206AXY/H	838	511	588	458	305	158	486	160	95	358	162	3 1/8”	80	2 1/8”	54	320
W70-206AXY/H	864	511	588	458	305	190	486	160	95	358	162	3 1/8”	80	2 1/8”	54	328
W70-228AXY/H	864	519	588	458	305	190	486	160	95	358	162	3 1/8”	80	2 1/8”	54	328
W75-228AXY/H	864	519	588	458	305	190	486	160	95	358	162	3 1/8”	80	2 1/8”	54	328
W75-240AXY/H	864	519	588	458	305	190	486	160	95	358	162	3 1/8”	80	2 1/8”	54	328
W80-240AXY/H	864	519	588	458	305	190	486	160	95	358	162	3 1/8”	80	2 1/8”	54	328
W40-142AXHT	838	511	588	458	305	158	486	160	95	358	95	2 5/8”	67	1 5/8”	42	300
W50-168AXHT	838	511	588	458	305	158	486	160	95	358	95	3 1/8”	80	1 5/8”	42	316
W60-187AXHT	838	511	588	458	305	158	486	160	95	358	95	3 1/8”	80	1 5/8”	42	324
W70-206AXHT	864	511	588	458	305	190	486	160	95	358	162	3 1/8”	80	2 1/8”	54	331



Vibration absorber

1	High pressure plug	1/8” NPT
2	Low pressure plug	1/4” NPT
3	Oil charge plug	3/8” GAS
4	Oil level sight glass	
5	Crankcase heater socket	
6	Oil drain plug	1/4” GAS
7	Liquid injection valve plug	1/8” NPT
8	Liquid injection sensor plug	1/8” NPT
9	Oil pressure switch connection (LP)	1/4” NPT
10	Oil pressure switch connection (HP)	1/4” SAE
11	Oil filter	3/8” GAS
12	Oil return plug	1/4” NPT
14	Max discharge temperature sensor	1/8” NPT
15	Electronic oil pressure switch connection	3/4” UNF
DV	Discharge valve	
SV	Suction valve	
NP	Nameplate	

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INDIA - CDU ASSEMBLY PLANT
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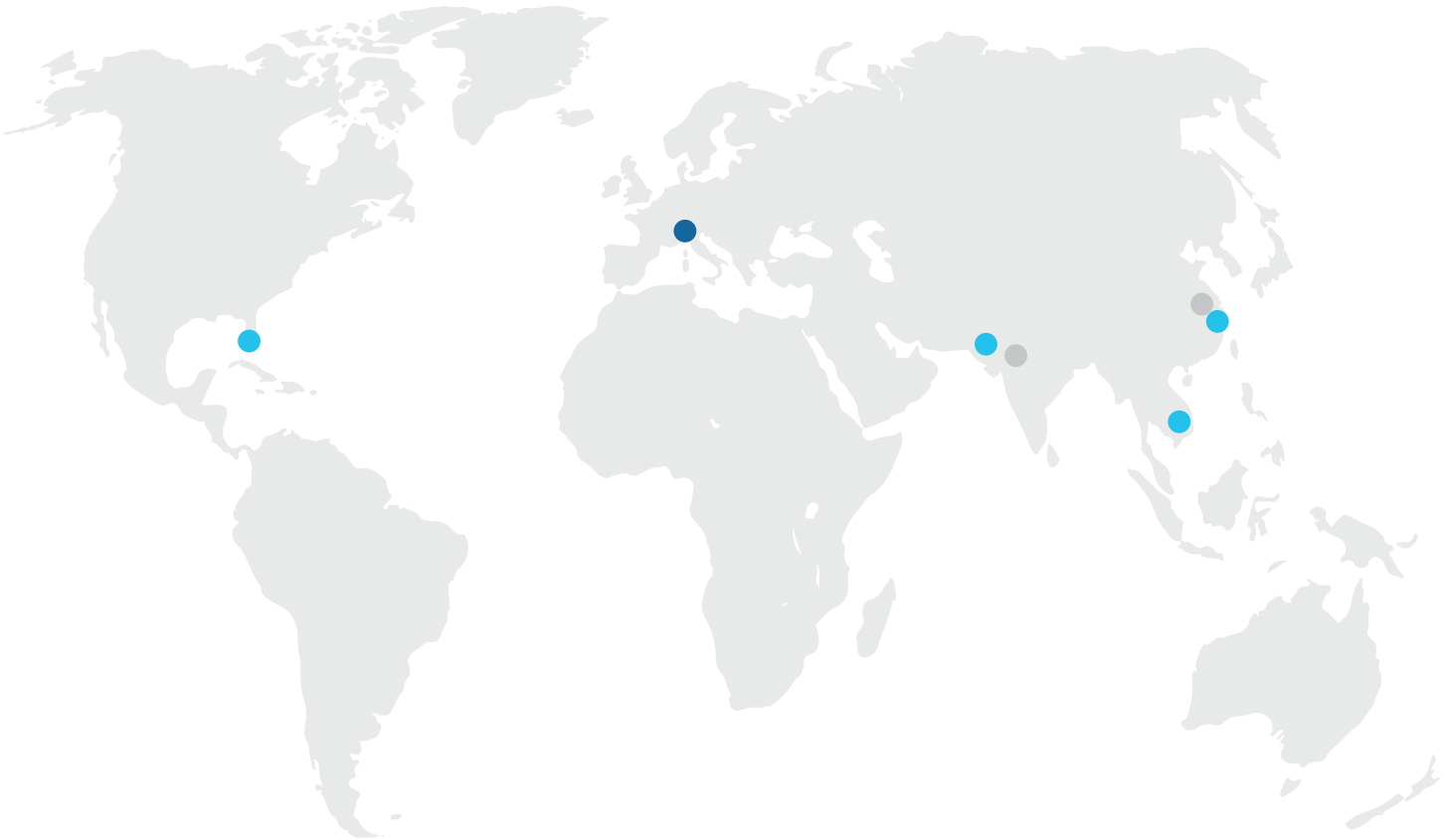

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May 2024

We make
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