

Type: Semi-hermetic piston compressors

Producer: Frascold

Series: Z

Model: Z 30 126 Y

Technical data

Nominal motor power [kW]:	22
Cylinder count:	6
Displacement [m ³ /h]:	125,72
Cylinder capacity [cm ³]:	240,85
RPM [min ⁻¹]:	1450
Weight [kg]:	251
Oil charge [dm ³]:	7,5
Power supply [V/~ /Hz]:	220V/3/50Hz \ 400V/3/50Hz

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	54	2 1/8"
Discharge line:	35	1 3/8"

R22

Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40
30	90 380	74 700	59 970	47 640	37 370	28 910	21 990	16 370
40	81 130	66 880	53 480	42 260	32 950	25 280	19 030	13 970
45	76 500	62 980	50 240	39 590	30 750	23 490	17 570	12 790
50	71 860	59 070	47 010	36 930	28 570	21 710	16 130	-

Operating conditions: suction gas temperature 20°C, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R134a

Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20
30	115 380	95 760	87 020	71 390	58 020	46 610	36 950	28 760
40	103 790	85 950	77 990	63 750	51 550	41 130	32 290	24 800
45	97 850	80 930	73 370	59 840	48 230	38 320	29 900	22 770
50	91 820	75 830	68 680	55 870	44 880	35 480	27 500	20 730

Operating conditions: suction gas temperature 20°C, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	-10	-15	-20	-25	-30	-35	-40	-45
30	82 420	67 690	55 080	44 180	35 050	27 170	20 620	14 680
40	71 130	58 140	47 000	37 360	29 280	22 280	16 470	11 200
45	-	53 190	42 830	33 850	26 320	19 800	14 380	-
50	-	47 820	38 330	30 100	23 200	17 210	-	-

Operating conditions: suction gas temperature 20°C, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

Cooling capacity [W]

$t_c \setminus t_e$
30
40
45
50

Operating conditions: suction gas temperature 20°C, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



