

SPECIFICATIONS (BARE COMPRESSOR)

Item	Single-stage compressor									Compound compressor					
	2WA	4WA(J)	6WA(J)	8WA(J)	4WB	6WB	8WB	12WB	42WA	62WA	42WB	62WB	12.4WB		
Refrigerant	R717, R22, R502, R12, Propane														
Type	Reciprocating, open type														
No. of cylinders	2	4	6	8	4	6	8	12	L-4/H-2	L-6/H-2	L-4/H-2	L-6/H-2	L-12/H-4		
Bore	3-3/4 (95)			5-1/8 (130)				3-3/4 (95)		5-1/8 (130)					
Stroke	3 (76)			3-15/16 (100)				3 (76)		3-15/16 (100)					
Max. speed	1,100			1,450				1,200		1,450		1,200			
Displacement at max. speed	CFM (m ³ /h)	42 (71)	110 (187)	165 (281)	220 (374)	224 (381)	337 (573)	450 (764)	674 (1,145)	L-110 (187)	L-165 (281)	L-224 (381)	L-337 (573)	L-674 (1,145)	
										H-55 (94)	H-55 (94)	H-112 (191)	H-112 (191)	H-224 (381)	
Driving method*	Belt drive or direct drive														
Capacity control steps	%	100	100, 50	100, 66, 33	100, 75, 50, 25	100, 50	100, 66, 33	100, 75, 50, 25	100, 66, 33	100, 50	100, 66, 33	100, 50	100, 66, 33	100, 66, 33	
Refrigeration oil	ISO VG68 or equivalent														
Oil charge quantity	U.S. gal. (l)	1.32 (5)	3.17 (12)	3.70 (14)	4.49 (17)	5.29 (20)	6.61 (25)	6.87 (26)	13.74 (52)	3.70 (14)	4.49 (17)	6.61 (25)	7.00 (26.5)	14.53 (55)	
Connections	Suction	R717	2" (50A)	2-1/2"(65A)	3" (80A)	3-1/2"(90A)	3-1/2"(90A)	4" (100A)	5" (125A)	L2" (50A)	L2-1/2" (65A)	L3" (80A)	L4" (100A)	L5" (125A)	
		R22, R502	2-1/2"(65A)	3" (80A)	3-1/2"(90A)		4" (100A)	5" (125A)		H-1 1/2" (40A)	H-1 1/2" (40A)	H-2 1/2" (65A)	H-2 1/2" (65A)	H-3" (80A)	H-3" (80A)
	Discharge	R717	2" (50A)	2-1/2"(65A)	3" (80A)	3" (80A)	3-1/2"(90A)	3" (80A)	3-1/2"(90A)	3" (80A) x 2	L2" (50A)	L2" (50A)	L2-1/2" (65A)	L2-1/2" (65A)	L3" (80A) x 2
		R22, R502	2-1/2"(65A)	3" (80A)	3-1/2"(90A)	3-1/2"(90A)	4" (100A)	3-1/2"(90A)	4" (100A)	H-1 1/2" (40A)	H-1 1/2" (40A)	H-2" (50A)	H-2" (50A)	H-2" (50A) x 2	
Net weight	lb. (kg)	810 (370)	(A) 1,280 (580) (J) 1,100 (500)	(A) 1,540 (700) (J) 1,230 (560)	(A) 1,800 (820) (J) 1,430 (650)	2,420 (1,100)	3,100 (1,410)	3,410 (1,150)	5,500 (2,500)	1,580 (720)	1,850 (840)	3,170 (1,440)	3,430 (1,560)	6,820 (3,100)	

Note: "L" - Low stage, "H" - High stage. * Model 12.4WB - Direct drive only.

ITEMS INCLUDED

- Suction shut-off valve 1 pc. (Single-stage), 2 pcs. (Compound)
- Discharge shut-off valve 1 pc. (Single-stage), 2 pcs. (Compound)
- Oil cooler 1 pc.
- Flywheel 1 pc.
- Safety valve 1 pc. (Single-stage), 2 pcs. (Compound)
- Capacity control solenoid valve* 1 pc.**
- * Excludes compressors for chemical plants. ** Excludes Model 2WA.
- Discharge side thermometer 1 pc. (Single-stage), 2 pcs. (Compound)
- Suction side thermometer 1 pc. (Single-stage), 2 pcs. (Compound)
- Service tools 1 set

PRIMARY CHOICES

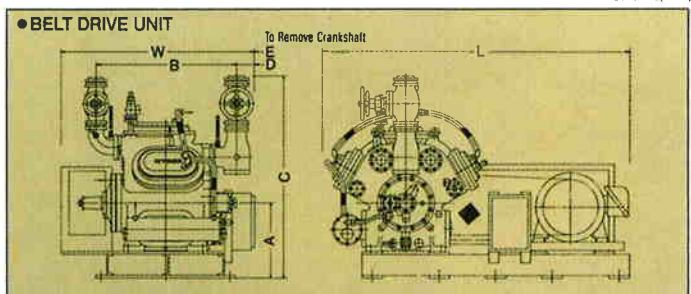
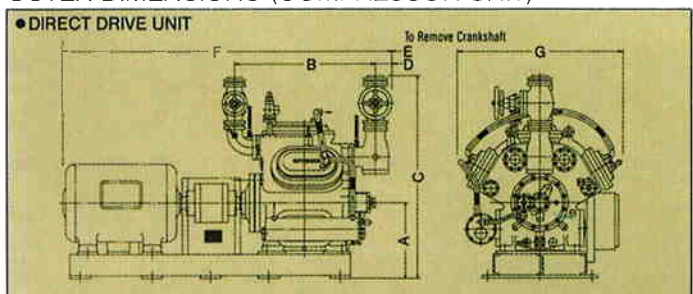
- Driving method (Belt drive, Direct drive)
- Control panel (Mechanical type, Microprocessor type)
- Head cover (Air-cooled, Water-cooled, DX-cooling)
- Oil cooler (Water-cooled, DX-cooling)
- Oil filter (Cuno-filter, External filter, Both)
- Gasket (Non-asbestos, Asbestos)

OPTIONAL ACCESSORIES

- High pressure cut-out switch
- Low pressure cut-out switch
- Oil pressure failure protection switch
- High pressure side pressure gauge
- Low pressure side pressure gauge
- Oil pressure gauge
- Gauge board
- Oil heater with thermo-switch
- Oil separator
- Capacity control solenoid valve

OUTER DIMENSIONS (COMPRESSOR UNIT)

Unit: in.(mm)



Model	Dimensions										Flywheel		Weight less motor lb. (kg)
	A	B	C	D		E	F	G	L*	W	Pitch dia.	No. of grooves	
2WA	12-5/8(321)	-	37-1/2(955)	17(432)	-	21(533)	-	-	58(1,475)	34(865)	13-1/4(336)	C x 4	975(442)
4WA	17-3/4(451)	12-1/16(306)	45-7/8(1,165)	15(381)	11(279)	25(635)	66-1/2(1,680)	38(965)	67(1,705)	42(1,070)	15-7/16(392)	C x 4	2,005(909)
6WA	17-3/4(451)	32-1/16(814)	47-7/8(1,220)	4(102)	4(102)	25(635)	73-3/4(1,875)	41(1,045)	69-1/2(1,765)	43-1/2(1,105)	15-7/16(392)	C x 6	2,280(1,034)
8WA	18-15/16(481)	32-7/16(824)	50-1/16(1,290)	4-1/2(114)	4-1/2(114)	25(635)	78(1,985)	41-1/2(1,055)	71(1,805)	44-1/8(1,125)	15-7/16(392)	C x 8	2,605(1,181)
4WB	20-1/2(521)	15-13/16(402)	55-1/2(1,410)	20(508)	12-1/2(318)	27(686)	82(2,085)	44-1/2(1,130)	81(2,060)	55(1,400)	17-9/16(446)	C x 8	3,430(1,556)
6WB	21-5/16(541)	40-3/8(1,026)	58-5/16(1,485)	5(127)	5(127)	28(711)	92(2,340)	50(1,270)	82-3/4(2,105)	55(1,400)	17-9/16(446)	C x 10	3,980(1,805)
8WB	21-1/4(540)	39-11/16(1,008)	60-13/16(1,545)	6-1/2(165)	5-1/2(140)	30(762)	95(2,415)	48-1/2(1,235)	83-3/4(2,130)	55-1/4(1,405)	17-9/16(446)	C x 10, C x 12	4,420(2,005)
12WB	B.D.	23-1/4(591)	61-1/2(1,565)	5(127)	5(127)	72(1,829)	122-1/4(3,120)	53-3/16(1,355)	88(2,235)	79(2,010)	17-9/16(446)	C x 12	7,740(3,510)
	D.D.	25-1/4(641)	63-1/2(1,613)								63-1/2(1,615)	-	-

Note: • "B.D.": Belt drive. "D.D.": Direct drive. • Dimension L given is less motor. Motor junction box may extend beyond frame especially on larger motor sizes. • Figure in bracket []: Compressors for Canada only.

• Design and specifications subject to change without notice.

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