

Performance Chart

Refrigerant		Ammonia			Propane	R404A		R134a
		-40 / +35°C	-40 / -10°C	-10 / +35°C	-10 / +35°C	-40 / +35°C	0 / +40°C	+2 / +42°C
Model	Temperature	Liquid Subcooling: 5°C Suction Superheat: 0°C Rotation speed: 2950rpm Economizer-type	Liquid Subcooling: 5°C Suction Superheat: 0°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 0°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 10°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 25°C Rotation speed: 2950rpm Economizer-type	Liquid Subcooling: 5°C Suction Superheat: 25°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 25°C Rotation speed: 2950rpm
	160VSD/G	Cooling capacity (kW)	75.2	83.4	272.9	219.9	89.0	333.9
Absorbed power (kW)		53.4	20.1	74.3	68.3	72.5	98.8	55.9
160VMD/G	Cooling capacity (kW)	94.0	105.4	341.6	275.8	110.9	418.5	275.6
	Absorbed power (kW)	64.5	24.6	89.5	82.3	87.3	119.0	68.6
160VLD/G	Cooling capacity (kW)	112.6	127.5	409.4	331.1	133.2	502.4	332.8
	Absorbed power (kW)	76.6	29.5	106.3	97.7	103.5	141.4	82.3
200VSD/G	Cooling capacity (kW)	149.6	171.6	539.8	432.2	178.4	655.6	439.9
	Absorbed power (kW)	103.6	39.2	143.8	132.2	140.8	191.2	109.2
200VMD/G	Cooling capacity (kW)	189.5	216.2	683.1	546.0	223.0	828.1	558.2
	Absorbed power (kW)	126.4	48.7	175.1	161.1	171.2	233.0	135.6
200VLD/G	Cooling capacity (kW)	229.4	260.0	825.3	658.5	267.8	998.6	667.0
	Absorbed power (kW)	150.0	57.8	207.7	191.0	202.8	276.3	160.9
250VSD/G	Cooling capacity (kW)	302.7	340.0	1073.7	860.9	359.0	1305.3	873.2
	Absorbed power (kW)	197.1	76.4	272.2	250.3	268.1	362.1	212.9
250VMD/G	Cooling capacity (kW)	380.8	428.4	1349.1	1084.4	447.4	1643.8	1094.3
	Absorbed power (kW)	242.6	94.0	334.9	307.9	328.7	445.4	261.9
250VLD/G	Cooling capacity (kW)	456.1	513.0	1611.5	1298.5	533.4	1968.1	1304.3
	Absorbed power (kW)	289.2	112.2	399.4	367.3	391.1	531.4	312.4
250VLLD	Cooling capacity (kW)	536.4	606.9	1906.4	1536.0	655.7	2702.3	1547.5
	Absorbed power (kW)	341.0	132.7	472.5	434.6	423.2	512.3	369.6
320VSD	Cooling capacity (kW)	614.4	687.7	2160.1	1740.5	729.1	2638.1	1752.0
	Absorbed power (kW)	395.9	153.4	546.1	502.2	538.3	726.5	427.2
320VMD	Cooling capacity (kW)	764.3	857.9	2695.0	2171.5	898.4	3291.3	2188.6
	Absorbed power (kW)	488.6	189.5	674.7	620.5	661.9	897.5	527.7
320VLD	Cooling capacity (kW)	896.5	1008.1	3166.5	2551.4	1050.0	3867.2	2599.6
	Absorbed power (kW)	573.6	222.6	792.6	728.9	775.8	1054.3	619.9

* The machine cannot be used under certain conditions. Please consult us for further details.

Specifications

Model (N/P/F)*1 *2		160V			200V			250V				320V			
		SD	MD	LD	SD	MD	LD	SD	MD	LD	LLD	SD	MD	LD	
Refrigerant		Ammonia / Propane, Propylene / HFCs													
Theoretical displacement	2950rpm	m³/h	415	519	622	810	1020	1210	1580	1980	2360	2800	3170	3960	4740
	3550rpm	m³/h	499	624	749	975	1220	1460	1900	2380	2840	3370	3820	4760	5700
Minimum rotation speed		rpm	1450*3												
Maximum rotation speed		rpm	4500*3												
Rotation direction			CCW as viewed from motor												
Capacity control		%	100-30												
Gas inlet port			MYCOM 125A*4			MYCOM 150A*4			MYCOM 250A*4				MYCOM 350A*4		
Gas outlet port			MYCOM 100CD*4			MYCOM 125CD*4			MYCOM 150CD*4				MYCOM 200CD*4		

* 1. Specify the refrigerant by adding a prefix to the model code (N = ammonia / P = propane, propylene / F = fluorocarbons).

* 2. Please contact us separately for models with a designation ending with G (downward discharge).

* 3. The range of rotation speed varies by operating conditions. Please refer to the ranges of use stated in the operating instructions.

* 4. Flanges with a designation starting with MYCOM are in-house products of MYCOM.