Specification

Unit model	AART-401.EX	Quantity	2	Order No.	A82A456 (F892699)
Machine No.	T08208, T08209	For use	Air-conditioning		
Installed area	Indoor Non-hazardous			Refrigerant	R134a

Cooling capacity	1582 kW					450 USRt	
Chilled water	Entering temp.	55.0 F	12.78 ℃	Cooling water	Entering temp.	93.0 F	33.89 ℃
	Leaving temp.	45.0 F	7.22 ℃		Leaving temp.	103.0 F	39.44 ℃
	Flow rate	1075.2 GPM	244.2 m^3/h		Flow rate	1285.7 GPM	292.0 m^3/h
	No.of pass	3			No. of pass	3	
	Pressure drop	120 kPa			Pressure drop	114 kPa	
	Connection size	8 inch	200 mm		Connection size	8 inch	200 mm
	Nozzle direction	SEE MACHINE LAYOUT DWG			Nozzle direction	SEE MACHINE LAYOUT DWG	
	Fouling factor	0.00010 Ft^2hF/BTU	1.8 $\times 10^{-5} m^2K/W$		Fouling factor	0.00025 Ft^2hF/BTU	4.4 $\times 10^{-5} m^2K/W$
	Design pressure	150 psig	1.03 MPa(G)		Design pressure	150 psig	1.03 MPa(G)

Electricity	Main motor (NCHP-5)	Motor output	255 kW	Auxiliary power	5 kVA
		INV. input	295 kW	Oil pump	1.1 kW
		Rated current	(ref. ELEC. Drawing)	Oil heater	1.0 kW
				Suction vane motor	40 VA × 2
	Starting method	INVERTER		Expansion valve	70 VA × 2
	INV. panel	Capacity	MCCB 35 kA	Hot-Gas Bypass valve	70 VA
	Main power source	AC 380 V	50 Hz 3 phase		
	Aux.Power source	AC 380/200 V	50 Hz 3 phase		

Supply list (for 1 ref. unit)	Item	Q'ty	Detail
	Compressor	1	Hermetic, two-stage, single suction MCE-N1 14,750 rpm
	Gear system	1	Built-in type, single helical gear (code: N1Q)
	Oil cooler	1	Refrigerant cooled, Brazing plate heat exchanger
	Evaporator	1	Shell & tube type, Designed in accordance with JIS
	Condenser	1	Shell & tube type, Designed in accordance with JIS
	Subcooler	1	Brazing plate heat exchanger
	Control device	1	Suction vanes(#1 & #2) and Hot-Gas Bypass valve
	Safety device	1set	Oil temp, oil press, condensing press, evaporating press, chilled water temp
			chilled water flow rate, cooling water flow rate
	Piping	1set	Refrigerant, oil and instrument piping
	Main motor	1	Refrigerant cooled squirrel-cage induction motor 3-Phase 2-Pole
	INV. panel	1	Self standing type
	Control panel	1	Mounted on heat exchanger
	Refrigerant	650 kg	For one charge
	Oil	100 L	For one charge (Initial charge: 60L Make up:40L)
	Accessories	1set	Spring mat, insulation tape, foundation bolt, safety valves
	Spare parts	1set	Oil filter element, refrigerant filter drier

Painting	Ref. unit (motor casing)	INV. panel	Control panel
	Rust proof paint (2 coat)	munsell 5Y7/1 (half gloss)	munsell 5Y7/1 (half gloss)