

Refrigeracion Verde

Industrial Refrigeration , Air Conditioning and Ventilation
Design and Manufacture of Engineered Equipment

Refrigeracion Verde S.A.S.

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WATER CHILLERS AND CCHP NATURAL GAS COGENERATION UNIT WITH R134A J&E HALL , BITZER AND MYCOM OPEN SCREW COMPRESSOR , AIR COOLED CONDENSER

- Prime CCHP Natural Gas Cogeneration Unit with Thermal efficiency up to 90%
- A wise choice when the cost of electricity weighs or is difficult to access
- The best option when additional Hot Water is required , such as in Hospitals and Hotels
- Industrial Class with Open Compressor for ease of maintenance and greater reliability
- Coupling and Coupling Housing for the aligned of the Motor
- Variable Speed Motor according to Water Temperature
- 3-Stage Heat Recovery (Condenser + Engine Cooling + Exhaust Gases) for Hot Water or Low Pressure Steam supply
- Electrical Motor IP 55 , FS 1.15 , Premium IE 3 , 1800 RPM (60 Hz)
- Air Cooled Condenser Coil with Sub-cooling circuit
- Genset with Natural Gas **CUMMINS** Engine , Prime Continuous Duty and WEG Alternator at 440 V Y / 220 V YY

CHILLER MODEL CCPH134A -	3576 RPM HALL COMPRESSOR					MOTOR		GENSET	ENGINE				
	MODEL	DISP M3/H	CAP KW _R	PWR KW _M	COND KW _{REJ}	KW	SIZE	KW _E	MODEL	DISP	PWR KW _M	KW _{REJ} TO COOLANT	CONSUM NM3/HR
HS-195-82	HSO 3216	343	194.5	53.3	247.8	75	250M	82.4	HN6TB	5.9 L	100	< 59.7	< 20.00
HS-238-100	HSO 3218	412	238.1	64.6	302.7	75	250M	100	HNT6C	8.3 L	145	< 62.4	< 20.90
HS-294-137	HSO 3220	498	294.0	78.9	372.9	110	280M	137	HNT6C	8.3 L	145	< 74.8	< 25.08
HS-334-137	HSO 3221	565	333.6	89.6	423.2	110	280M	137	HNT6C	8.3 L	145	< 74.8	< 25.08

CHILLER MODEL CCPH134A -	3500 RPM BITZER COMPRESSOR					MOTOR		GENSET	ENGINE				
	MODEL- K	DISP M3/H	CAP KW _R	PWR KW _M	COND KW _{REJ}	KW	SIZE	KW _E	MODEL	DISP	PWR KW _M	KW _{REJ} TO COOLANT	CONSUM NM3/HR
BS-56-34	OSK5341	101	56.3	17.12	73.5	22	160L	33.6	HN4B	3.9 L	33	< 26.2	< 8.77
BS-69-34	OSK5351	121	68.7	19.96	88.7	30	200L	33.6	HN4B	3.9 L	33	< 26.2	< 8.77
BS-81-41	OSK5361	142	81.4	23.7	105.1	30	200L	40.8	HN6B	5.9 L	60	< 37.0	< 12.41
BS-118-55	OSK7441	199	118.1	35.2	153.3	45	225M	54.5	HN6B	5.9 L	60	< 44.5	< 14.90
BS-142-60	OSK7451	232	142.2	41.4	183.6	55	250M	60.4	HN6B	5.9 L	60	< 44.5	< 14.90
BS-164-70	OSK7461	266	164.2	46.0	210	55	250M	70.4	HN6TB	5.9 L	100	< 44.8	< 15.00
BS-179-82	OSK7471	302	178.7	49.8	228	75	250M	82.4	HN6TB	5.9 L	100	< 59.7	< 20.00
BS-220-113	OSK8551	380	220	65.7	286	90	280M	112.8	HNT6C	8.3 L	145	< 62.4	< 20.90
BS-253-113	OSK8561	433	253	72.9	326	90	280M	112.8	HNT6C	8.3 L	145	< 62.4	< 20.90
BS-294-137	OSK8571	495	294	81.3	376	110	280M	137	HNT6C	8.3 L	145	< 74.8	< 25.08
BS-323-137	OSK8581	567	323	92.7	416	110	280M	137	HNT6C	8.3 L	145	< 74.8	< 25.08
BS-372-171	OSK8591	646	372	105.5	477	150	315M	171	HNNT14	14 L	240	< 133	< 44.70

CHILLER MODEL CCPH134A -	3550 RPM MYCOM COMPRESSOR					MOTOR		GENSET	ENGINE				
	MODEL SC i -	DISP M3/H	CAP KW _R	PWR KW _M	COND KW _{REJ}	KW	SIZE	KW _E	MODEL	DISP	PWR KW _M	KW _{REJ} TO COOLANT	CONSUM NM3/HR
MS-125-60	125S-M	237	124.6	39.7	164.3	55	250M	60.4	HN6B	5.9 L	60	< 44.5	< 14.90
MS-190-113	125L-M	356	189.9	59.4	249.3	75	250M	112.8	HN6TB	5.9 L	100	< 59.7	< 20.00
MS-270-137	160S-M	499	270.0	83.5	353.5	110	280M	137	HNT6C	8.3 L	145	< 74.8	< 25.08
MS-340-171	160M-M	624	340.3	102.3	442.6	150	315M	171	HNNT14	14 L	240	< 133	< 44.70
MS-412-186	160L-M	749	411.8	122.8	534.6	150	315M	186	HNNT14	14 L	240	< 133	< 44.70

NOTES :

1. Water Chiller Rated at 60 Hz , Water Entering 12°C / Leaving 7°C , 35°C Air Entering at Condenser , Rated at SST 2°C , Superheat 10°K , SDT 50°C , Sub-Cooling 10°K , External Oil Cooling
2. Natural Gas with Methane Number > 80 and Lower Calorific Value > 10 KWH/NM³
3. The Genset has the capacity to move the Compressor Electric Motor (70%) and the Auxiliary Motors

1 KW_R = 3412.1 BTU/H = 0.284 RT , KW = 1.341 HP