

Screw Chiller

(Air Cooled Water Chiller)



Unique Features

- Environment friendly R134a refrigerant
- Shell & tube condenser with design of 32 deg C cooling tower water
- Straight tube design of shell & tube evaporator with longer life
- ModBus communication – RS 485
- Electronic expansion valve
- Touchscreen HMI - 7"
- Built-in safety interlocks
- Real time data of refrigerant systems

Optional Features

- Variable speed (in-built)
- Variable speed (external VFD)
- Master PLC for multiple chillers
- Water strainers (CFS)
- Evaporator pump (internal circulation)
- Process pumps
- VFD for process pumps
- Equal usage life cycle of chillers



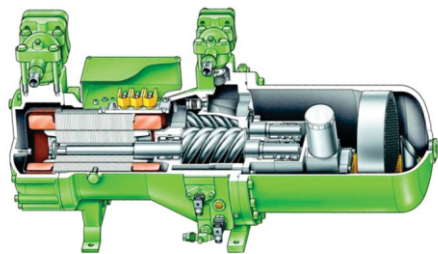
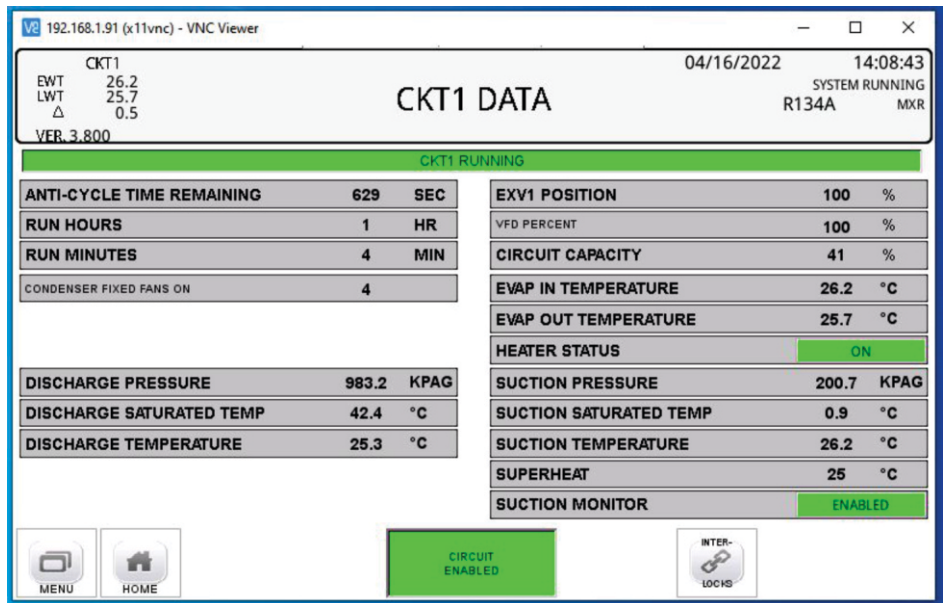
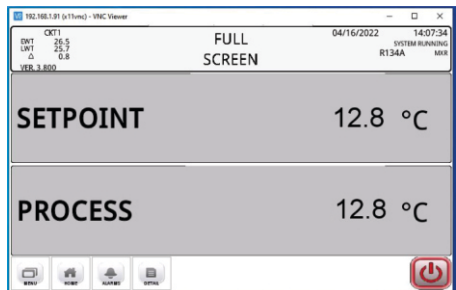
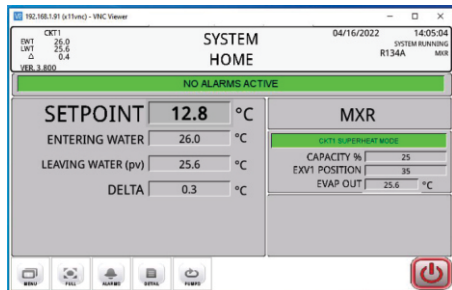
Screw Chiller
(Air Cooled Water Chiller)
Cooling Capacity from 33.5 TR to 156.5 TR
Energy Efficient Central Chilling Plant.

Simple design of screw compressors provide both full load and part load efficiencies unmatched in the industry, and results in lower energy costs when compared to reciprocating compressors.

Technical Specifications

Model
Performance Characteristics
Nominal Capacity in KW (TR)
Compressor Quantity / KW
Refrigerant
Standard Evaporator Pump KW
Maximum Flow to Evaporator LPM
Maximum Pressure Bar
Nominal Flow LPM @ Bar
Water Reservoir Capacity Liters
Fan Quantity x Fan KW
Dimension (mm)
W - Width
D - Depth
H - Height
Weight (Installed Kg)
Chiller Connections In / Out BSP
Voltage / Connected Load KW
Voltage
Connected Load (KW)
Control Voltage
Control Range in Degree Celsius
Water Quality
Color

All specifications are subject to change without prior notice.



Semi-hermetic Compact Screw Compressor



Variable Speed Screw Compressor (Optional)

AE40-SK	AE50-SK	AE60-SK	AE 80 SK WITH ECONOMIZER	AE 100 SK WITH ECONOMIZER	AE 100 SKV (VARIABLE SPEED)	AE 125 SK WITH ECONOMIZER	AE 125 SKV (VARIABLE SPEED)	AE 150 SK WITH ECONOMIZER	AE 170 SK WITH ECONOMIZER
118 (33.6)	153.6 (43.7)	212 (60.3)	256 (72.8)	323 (92)	323 (92)	403 (114)	423 (120.3)	478 (136)	550 (156.5)
1 / 32.4	1 / 40	1 / 56.5	1 / 70.6	1 / 87.2	1 / 92.6	1 / 110	1 / 119.1	1 / 129.5	1 / 141
R134 A									
2.2		4		7.5				15.0	
380	480	960		1600				2500	
3.6	2.8							3.7	
320 @ 2.9	351 @ 2.2	588 @ 2.4		1350 @ 2.1				1800 @ 3.5	
400 - 800		900 - 1200				1500 - 2500			
2 x 2.2	3 x 2.2	4 x 2.2		6 x 2.2				8 x 2.2	
1446		2285		2357					
3100	3200	3335		4772				6200	
2321		2490		2490					
1800		3000		4500				5300	
2"	2 1/2"	3"		4"					6"
415V, 50 Hz, 3 Phase									
36.80	46.60	65.30	79.40	100.40	105.80	123.20	132.30	147.10	158.60
24V DC									
Plus (+) 8 to Plus (+) 25									
Require treated water with PH value in 7.5 to 8.5, hardness less than 50 PPM , electrical conductivity < 10-30 µS/ cm2									
Black RAL 9005 / RAL 7047 Telegrey 4									

*Nominal capacity based at leaving water temperature of 15°C and ambient temperature of 40°C.

**Evaporator pump & water reservoir are available as optional feature for AE SK series chiller models.

LEADING MANUFACTURER OF PLASTIC AUXILIARY EQUIPMENT
Material Storage | Conveying | Drying | Blending | Heat Transfer | Size Reduction



(An ISO 9001:2015 Certified Organization)

Nu-Vu Conair Pvt. Ltd.

Plot No. 147 & 148, Devraj Industrial Park, Piplaj-Pirana Road, Piplaj, Ahmedabad - 382405, Gujarat, India

+91 79 2970 8147 | +91 97129 28201, +91 90990 76206

marketingindia@conairgroup.com | www.conairgroup.in

