

Screw Chiller

(Water Cooled Water Chiller)



Fixed Speed Compressor



Variable Speed Compressor

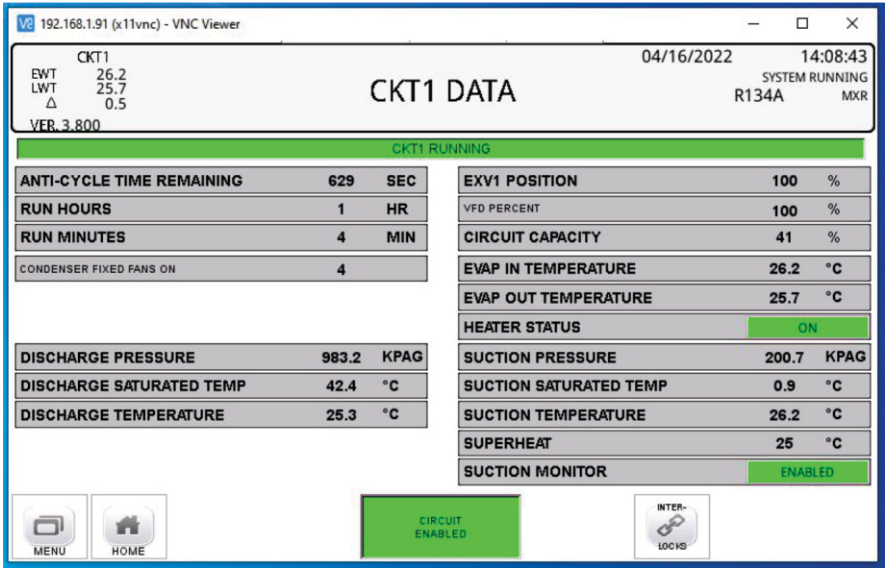
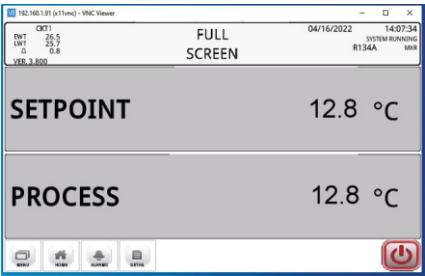
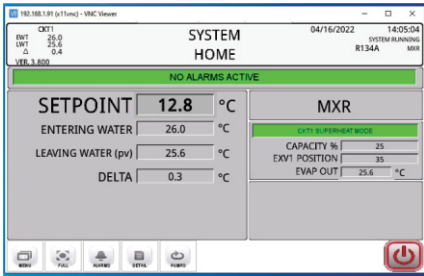


Screw Chiller
(Water Cooled Water Chiller)
Cooling Capacity from 38 TR to 482 TR
Energy Efficient Central Chilling Plant.

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.

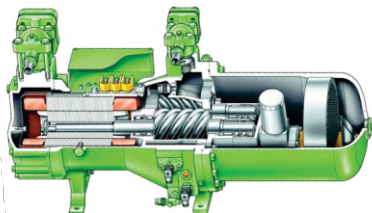
Unique Features

- 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



Semi-hermetic Compact Screw Compressor



Variable Speed Screw Compressor (Optional)

Technical Specifications

Model	WE 40 SK	WE 55 SK	WE 65 SK	WE 75 SK	WE 90 SK	WE 100 SK	WE 125 SK	WE 135 SK	WE 135 SKV (Variable Speed)
Performance Characteristics									
Nominal Capacity in KW (TR)	136 (38.7)	161 (46)	187 (53)	215 (61)	278 (79)	295 (83.9)	349 (99.3)	437 (124)	398 (113)
Compressor Quantity / KW	1 / 24.7	1 / 27.7	1 / 33.8	1 / 38.5	1 / 46.3	1 / 52.9	1 / 60	1 / 77	1 / 69.3
Refrigerant	R 134 A								
Standard Evaporator Pump KW	2.2	4			7.5				
Maximum Flow to Evaporator LPM	480	960			1600				
Maximum Pressure Bar	2.8								
Nominal Flow LPM @ Bar	351 @ 2.2	588 @ 2.4			1350 @ 2.1				
Water Reservoir Capacity Liters	500		900		1500				
Dimension (mm)									
W - Width	1200		1460			1700			2000
D - Depth	2700		2660			3400			
H - Height	2100		1450			1770			
Weight (Installed Kg)	1900		2100				2750		
Chiller Connections									
Chiller Connections In / Out BSP	2.5" FLANGE		3" FLANGE		4" FLANGE				
Condenser Water Cooling Capacity Require TR	55	65	75	90	125		150	180	160
Condenser Water Flow Rate LPM	600 - 650	700 - 750	800 - 850	1000 - 1100	1300 - 1400		1500 - 1700	1800 - 2000	1600 - 1700
Condenser Water In/Out - BSP	3" FLANGE		4" FLANGE			6" FLANGE			
Voltage / Connected Load KW									
Voltage	415V, 50 Hz, 3 Phase								
Connected Load (KW)	24.70	27.70	33.80	38.50	46.30	52.90	60.00	77.00	69.30
Control Voltage	24V DC								
Control Range in Degree Celsius	Plus (+) 8 to Plus (+) 25								
Water Quality	Require treated water with PH value in 7.5 to 8.5, hardness less than 50 PPM, electrical conductivity < 10-30 µS/ cm2								
Color	Black RAL 9005 / RAL 7047 Telegrey 4								

All specifications are subject to change without prior notice.

WE 175 SK	WE 175 SKV (Variable Speed)	WE 250 SK	WE 300 SK Economiser	WE 350 SK Economiser	WE 400 SK	WE 500 SK	WE 600 SK
527 (150)	507 (144)	601 (170)	704 (201)	803 (228)	941 (267)	1424 (405)	1696 (482)
1 / 86.1	1 / 92.2	1 / 97.6	1 / 114	1 / 127.4	1 / 155	1 / 217	1 / 259
R134 A							
15.0				22.0		30.0	
2500				4300		7200	
3.7				3.2		3.3	
1800 @ 3.5				3000 @ 2.9		4850 @ 2.9	
2000				3500		5000	
1780	2000	1870	2000		2200		
3420			4000		4700		
1800	1770		1820		2100		
3250		3500	3750	4050		6800	7500
6" FLANGE			8" FLANGE				
210	220	250	300	350	400	560	670
2200 - 2400		2500 - 2700	3000 - 3200	3500 - 3700	4000 - 4200	5600- 5800	6700 - 6900
6" FLANGE			8" FLANGE				10" FLANGE
415V, 50 Hz, 3 Phase							
86.10	92.20	97.60	114.00	127.40	155.00	217.00	259
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 & ambient temperature of 40°C.

** Evaporator pump and water reservoir are available as optional features for WE SK series chiller model.

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

