

VAVCO (Smart Cooling & Solution)
Model : TVC...AS2
single comp.
75-1
90-1
100-1
120-1
Refrigerant

Type	R22					
Cooling						
Cooling Capacity	•	Kw	222.3	262.6	309.0	361.8
COP	•		3.67	3.82	3.88	3.80
Sound pressure	••	db(A)	81	79	82	81
Heating						
Heating Capacity		Kw	-	-	-	-
COP			-	-	-	-
Compressor						
Quantity		n°	1	1	1	1
Type	Semi Hermetic Screw					
Capacity Control		%	25~100	25~100	35~100	25~100
		steps	4	4	4	4
Absorb power		Kw	60.5	68.7	79.7	95.2
Comp. total current	•••	A	102.6	118.5	138.8	166.5
Fans						
Quantity		n°	6	6	8	10
Type	Axial fan					
Total Air flow	••••	m ³ /h	105,060	105,060	140,080	175,100
Total Power consumption		kw	8.33	8.33	11.11	13.89
User side exchanger						
Quantity/Circuit		n°/n°	1/1	1/1	1/1	1/1
Type	Shell&Tube					
Working rang temp.		°C	4 - 18			
Water flow rate		m ³ /h	38.24	45.17	53.15	62.23
Water in/out temp.		°C	12 / 7			
Pressure drop		kpa	54	55	55	57
Dimenssion and Weight						
Length		mm	3400	3400	4400	5400
Width		mm	2200	2200	2200	2200
Height		mm	2500	2500	2500	2500
Weight		Kg	3290	3630	4257	5225
Electrical data						
power supply		v/ph/Hz	380/3~ + N/50			


Screw
Air Cooled Chiller


- Ambient air 35 °C : User side exchanger inlet/outlet water 12-7 °C
- sound pressure levels refers to a distance of 10 meters from the unit in free field conditions.
- Ambient air 35 °C : Full load capacity steps 100%
- Ambient air 35 °C , sea level.

Max allowable working is 42 °C Ambient air

VAVCO (Smart Cooling & Solution)
Model : TVC...AS2
single comp.
140-1
150-1
160-1
180-1
Refrigerant

Type		R22				
Cooling						
Cooling Capacity	•	Kw	439.4	459.4	508.0	571.3
COP	•		3.85	3.94	3.87	3.89
Sound pressure	••	db(A)	80	79	79	82
Heating						
Heating Capacity		Kw	-	-	-	-
COP			-	-	-	-
Compressor						
Quantity		n°	1	1	1	1
Type		Semi Hermetic Screw				
Capacity Control		%	25~100	35~100	25~100	35~100
		steps	4	4	4	4
Absorb power		Kw	114.1	116.7	131.3	147.0
Comp. total current	•••	A	194.0	199.9	222.7	252.7
Fans						
Quantity		n°	12	12	12	14
Type		Axial fan				
Total Air flow	••••	m ³ /h	170,400	205,800	205,800	240,100
Total Power consumption		kw	10.42	16.67	16.67	19.45
User side exchanger						
Quantity/Circuit		n°/n°	1/1	1/1	1/1	1/1
Type		Shell&Tube				
Working rang temp.		°C	4 - 18			
Water flow rate		m ³ /h	75.58	79.02	87.38	98.26
Water in/out temp.		°C	12 / 7			
Pressure drop		kpa	57	56	58	57
Dimenssion and Weight						
Length		mm	6400	6400	6400	7400
Width		mm	2200	2200	2200	2200
Height		mm	2500	2500	2500	2500
Weight		Kg	6193	6533	6643	7160
Electrical data						
power supply		v/ph/Hz	380/3~ + N/50			

- Ambient air 35 °C : User side exchanger inlet/outlet water 12-7 °C
- sound pressure levels refers to a distance of 10 meters from the unit in free field conditions.
- Ambient air 35 °C : Full load capacity steps 100%
- Ambient air 35 °C , sea level.

Max allowable working is 42 °C Ambient air



Screw

Air Cooled Chiller



AC



VAVCO (Smart Cooling & Solution)

Model : TVC...AS2

single comp.

210-1

230-1

235-1

280-1

Refrigerant

Type		R22				
Cooling						
Cooling Capacity	•	Kw	665.5	716.2	779.5	879.5
COP	•		3.97	3.96	3.95	3.94
Sound pressure	••	db(A)	79	80	81	83
Heating						
Heating Capacity		Kw	-	-	-	-
COP			-	-	-	-
Compressor						
Quantity		n°	1	1	1	1
Type		Semi Hermetic Screw				
Capacity Control		%	35~100	30~100	30~100	35~100
		steps	4	4	4	4
Absorb power		Kw	167.6	180.7	197.4	223.0
Comp. total current	•••	A	288.4	302.9	342.7	388.8
Fans						
Quantity		n°	16	16	18	20
Type		Axial fan				
Total Air flow	••••	m ³ /h	280,160	280,160	315,180	350,200
Total Power consumption		kw	22.22	22.22	25.00	27.78
User side exchanger						
Quantity/Circuit		n°/n°	1/1	1/1	1/1	1/1
Type		Shell&Tube				
Working rang temp.		°C	4 - 18			
Water flow rate		m ³ /h	114.47	123.19	134.07	151.27
Water in/out temp.		°C	12 / 7			
Pressure drop		kpa	58	58	60	59
Dimenssion and Weight						
Length		mm	8400	8400	9400	10400
Width		mm	2200	2200	2200	2200
Height		mm	2500	2500	2500	2500
Weight		Kg	8125	8468	9095	10063
Electrical data						
power supply		v/ph/Hz	380/3~ + N/50			



Screw

Air Cooled Chiller



- Ambient air 35 °C : User side exchanger inlet/outlet water 12-7 °C
- sound pressure levels refers to a distance of 10 meters from the unit in free field conditions.
- Ambient air 35 °C : Full load capacity steps 100%
- Ambient air 35 °C , sea level.

Max allowable working is 42 °C Ambient air

VAVCO (Smart Cooling & Solution)
Model : TVC...AS2
2 comp.
110-2
160-2
180-2
200-2
Refrigerant

Type			R22			
Cooling						
Cooling Capacity	•	Kw	310.0	413.8	525.2	618.0
COP	•		3.68	3.73	3.82	3.88
Sound pressure	••	db(A)	83	85	85	86
Heating						
Heating Capacity		Kw	-	-	-	-
COP			-	-	-	-
Compressor						
Quantity		n°	2	2	2	2
Type			Semi Hermetic Screw			
Capacity Control		%	16.5~100	17.5~100	12.5~100	17.5~100
		steps	6	8	8	8
Absorb power		Kw	84.2	111.0	137.4	159.4
Comp. total current	•••	A	146.0	189.0	237.0	277.6
Fans						
Quantity		n°	8	10	12	14
Type			Axial fan			
Total Air flow	••••	m ³ /h	140,080	175,100	210,120	245,140
Total Power consumption		kw	11.11	13.89	16.67	19.45
User side exchanger						
Quantity/Circuit		n°/n°	1/2	1/2	1/2	1/2
Type			Shell&Tube			
Working rang temp.		°C	4 - 18			
Water flow rate		m ³ /h	53.32	71.17	90.33	106.30
Water in/out temp.		°C	12 / 7			
Pressure drop		kpa	58	61	60	61
Dimenssion and Weight						
Length		mm	4400	5400	6400	7400
Width		mm	2200	2200	2200	2200
Height		mm	2500	2500	2500	2500
Weight		Kg	4257	5225	6193	7160
Electrical data						
power supply		v/ph/Hz	380/3~ + N/50			

- Ambient air 35 °C : User side exchanger inlet/outlet water 12-7 °C
- sound pressure levels refers to a distance of 10 meters from the unit in free field conditions.
- Ambient air 35 °C : Full load capacity steps 100%
- Ambient air 35 °C , sea level.

Max allowable working is 42 °C Ambient air



Screw

Air Cooled Chiller



AC



VAVCO (Smart Cooling & Solution)

Model : TVC...AS2

2 comp.

240-2

280-2

325-2

350-2

Refrigerant

Type	R22					
Cooling						
Cooling Capacity	•	Kw	723.6	878.8	1,016.0	1,100.2
COP	•		3.80	3.85	3.87	3.92
Sound pressure	••	db(A)	82	84	82	83
Heating						
Heating Capacity		Kw	-	-	-	-
COP			-	-	-	-
Compressor						
Quantity		n°	2	2	2	2
Type	Semi Hermetic Screw					
Capacity Control		%	12.5~100	12.5~100	12.5~100	17.5~100
		steps	6	8	8	8
Absorb power		Kw	190.4	228.2	262.6	281.0
Comp. total current	•••	A	333.0	388.0	445.4	474.8
Fans						
Quantity		n°	16	20	24	26
Type	Axial fan					
Total Air flow	••••	m ³ /h	280,160	350,200	420,240	455,260
Total Power consumption		kw	22.22	27.78	33.34	36.11
User side exchanger						
Quantity/Circuit		n°/n°	1/2	1/2	1/2	2/2
Type	Shell&Tube					
Working rang temp.		°C	4 - 18			
Water flow rate		m ³ /h	124.46	151.15	174.75	189.23
Water in/out temp.		°C	12 / 7			
Pressure drop		kpa	62	62	61	60
Dimenssion and Weight						
Length		mm	8400	10400	12400	13400
Width		mm	2200	2200	2200	2200
Height		mm	2500	2500	2500	2500
Weight		Kg	8125	10063	11998	12966
Electrical data						
power supply		v/ph/Hz	380/3~ + N/50			



Screw

Air Cooled Chiller



AC



- Ambient air 35 °C : User side exchanger inlet/outlet water 12-7 °C
- sound pressure levels refers to a distance of 10 meters from the unit in free field conditions.
- Ambient air 35 °C : Full load capacity steps 100%
- Ambient air 35 °C , sea level.

Max allowable working is 42 °C Ambient air

VAVCO (Smart Cooling & Solution)

Model : TVC...AS2

2 comp.

365-2

415-2

460-2

470-2

Refrigerant

Type		R22				
Cooling						
Cooling Capacity	•	Kw	1,142.6	1,331.0	1,432.4	1,559.0
COP	•		3.89	3.97	3.96	3.95
Sound pressure	••	db(A)	86	86	84	87
Heating						
Heating Capacity		Kw	-	-	-	-
COP			-	-	-	-
Compressor						
Quantity		n°	2	2	2	2
Type		Semi Hermetic Screw				
Capacity Control		%	17.5~100	17.5~100	15~100	15~100
		steps	6	8	8	8
Absorb power		Kw	294.0	335.2	361.4	394.8
Comp. total current	•••	A	505.4	576.8	605.8	685.4
Fans						
Quantity		n°	26	30	32	36
Type		Axial fan				
Total Air flow	••••	m ³ /h	455,260	525,300	560,320	630,360
Total Power consumption		kw	36.11	41.67	44.45	50.00
User side exchanger						
Quantity/Circuit		n°/n°	2/2	2/2	2/2	2/2
Type		Shell&Tube				
Working rang temp.		°C	4 - 18			
Water flow rate		m ³ /h	196.53	228.93	246.37	268.15
Water in/out temp.		°C	12 / 7			
Pressure drop		kpa	63	62	62	63
Dimenssion and Weight						
Length		mm	13400	15400	16400	18400
Width		mm	2200	2200	2200	2200
Height		mm	2500	2500	2500	2500
Weight		Kg	12966	14091	15869	17804
Electrical data						
power supply		v/ph/Hz	380/3~ + N/50			

- Ambient air 35 °C : User side exchanger inlet/outlet water 12-7 °C
- sound pressure levels refers to a distance of 10 meters from the unit in free field conditions.
- Ambient air 35 °C : Full load capacity steps 100%
- Ambient air 35 °C , sea level.

Max allowable working is 42 °C Ambient air



Screw

Air Cooled Chiller



AC



VAVCO (Smart Cooling & Solution)
Model : TVC...AS2
4 comp.
365-4
430-4
485-4
565-4
Refrigerant

Type	R22					
Cooling						
Cooling Capacity	•	Kw	1,110.0	1,331.2	1,447.2	1,757.6
COP	•		3.80	3.85	3.80	3.85
Sound pressure	••	db(A)	89	91	90	92
Heating						
Heating Capacity		Kw	-	-	-	-
COP			-	-	-	-
Compressor						
Quantity		n°	4	4	4	4
Type	Semi Hermetic Screw					
Capacity Control		%	8.75~100	8.75~100	6.25~100	6.25~100
		steps	16	16	16	16
Absorb power		Kw	292.4	345.6	380.8	456.4
Comp. total current	•••	A	501.2	600.0	666.0	776.0
Fans						
Quantity		n°	24	32	32	40
Type	Axial fan					
Total Air flow	••••	m ³ /h	420,240	560,320	560,320	700,400
Total Power consumption		kw	33.34	44.45	44.45	55.56
User side exchanger						
Quantity/Circuit		n°/n°	2 /4	2 /4	2 /4	2 /4
Type	Shell&Tube					
Working rang temp.		°C	4 - 18			
Water flow rate		m ³ /h	190.92	228.97	248.92	302.31
Water in/out temp.		°C	12 /7			
Pressure drop		kpa	63	64	64	65
Dimenssion and Weight						
Length		mm	12400	16400	16400	20400
Width		mm	2200	2200	2200	2200
Height		mm	2500	2500	2500	2500
Weight		Kg	11998	15869	16209	19739
Electrical data						
power supply		v/ph/Hz	380/3~ + N/50			


Screw
Air Cooled Chiller


- Ambient air 35 °C : User side exchanger inlet/outlet water 12-7 °C
- sound pressure levels refers to a distance of 10 meters from the unit in free field conditions.
- Ambient air 35 °C : Full load capacity steps 100%
- Ambient air 35 °C , sea level.

Max allowable working is 42 °C Ambient air