



„NORWIAN ECOPLUS“ DC inverterinis šilumos siurblys R290

(šildymas, vėdinimas, karšto vandens ruošimas,WiFi)

Šildymas/Heating (A 7/6 °C,W30/35 °C )

Modelis/Model	Norwian Ecoplus 60	Norwian Ecoplus 90	Norwian Ecoplus TRI 120	Norwian Ecoplus TRI 160
Šildymo galia / Heating capacity	1.5-6.27 kW	2-9.15 kW	3-12.2 kW	4-16.2 kW
Įvesties galia/ Power input	1,36 kW	1,99 kW	2,61 kW	3,50 kW
Srovė/Current	5,91 A	8,83 A	4,41 A	5,89 A
COP	4,62	4,58	4,67	4,61
SCOP	4,71	4,89	4,77	4,77

Šildymas/Heating (A 7/6 °C,W47/55 °C )

Šildymo galia /Heating capacity	6,06 kW	9,12 kW	12,20 kW	16,17 kW
Įvesties galia/Power input	2,03 kW	3,07 kW	4,03 kW	5,30 kW
COP	2,99	2,97	3,03	3,05
SCOP	3,71	3,72	3,73	3,75

Šildymas/Heating (A 7/6 °C,W40/45 °C )

Šildymo galia /Heating capacity	6,12 kW	9,08 kW	12,03 kW	16,03 kW
Įvesties galia/Power input	1,71 kW	2,51 kW	3,30 kW	4,98 kW
COP	3,58	3,62	3,65	3,22

Vėsinimas / Cooling (A 35/24 °C,W23/18 °C )

Vėsinimo galia/Cooling capacity	6,3 kW	9,02 kW	11,30 kW	15,20 kW
Įvesties galia/Power input	1,62 kW	2,33 kW	2,91 kW	3,98 kW
EER	3,88	3,87	3,88	3,82
Vėsinimas / Cooling (A 35/24 °C,W12/7 °C )				
Vėsinimo galia/Cooling capacity	6,2 kW	8,60 kW	10,60 kW	15,05 kW
Įvesties galia/Power input	2,10 kW	2,92 kW	3,58 kW	5,26 kW
EER	2,95	2,95	2,96	2,86
Vardinis vandens srautas/ Rated water flow (m <sup>3</sup> /h)	1,1 m <sup>3</sup> /h	1,6 m <sup>3</sup> /h	2,08 m <sup>3</sup> /h	2,8 m <sup>3</sup> /h
Maitinimo šaltinis(dažnis) /Ratevoltage(frequency)	220V-240V~(50Hz)	220V-240V~(50Hz)	380V-415V~(50Hz)	380V-415V~(50Hz)
Maks.įvado galia/Max input power	2,20 kW	3,50 kW	4,70 kW	6,50 kW
Maks.įvado srovė/Max input current	12,0 A	15,0 A	8,0 A	11,0 A
Kompresoriaus prekinis ženklas /tipas		GMCC/Rotorinis /		
Brand/Type of Compressor		GMCC/Rotary		
Cirkuliacinis siurblys /		Grundfos /		
Circulation pump		Grundfos		
Cirk. Siurblio modelis /	UPM4 K 15-75 130	UPM4 K 15-75 130	UPM4 K 25-90130	UPM4 K 25-90 130
Circulation pump model				
Plokštelinis šilumokaitis/		Danfoss/		
Danfoss Plate Heat Exchanger		Danfoss		
El.šildytuvas /	3	3	6 kW,trifazis /	9
	kW,vienfazis /	kW,vienfazis	/	kW,trifazis /

E.heater	3 kW single phase	3 kW single phase	6 kW three phase	kW three phase
Išsiplėtimo indas / Expansion vessel	5 ltr / 5 ltr			
Šaltnešis (tipas)/ Refrigerant (Type)	R290(propanas) / R290 (propane)			
Šaltnešio svoris / Refrigerant charge	0,55 kg	0,75 kg	1,4 kg	1,7 kg
CO2 Ekvivalentas (t) / CO2 Equivalent (t)	0,0016 t	0,0023 t	0,0043 t	0,0051 t
Atitirpinimas / Defrosting	4-eigiu vožtuvu / 4 way valve	4-eigiu vožtuvu / 4 way valve	4-eigiu vožtuvu / 4 way valve	4-eigiu vožtuvu / 4 way valve
Vandens pajungimo diametras / Diameter of water connection	DN 25 (G1“)	DN 25 (G1“)	DN 25 (G1“)	DN 25 (G1“)
Vidinio slėgio kritimas esant vardiniam srautui / Internal pressure drop at rating flow	22 kPa	40 kPa	50 kPa	50 kPa
Vandens atsparumo klasė / Waterproof grade	IPX4	IPX4	IPX4	IPX4
Min/Max šildymo vandens slėgis / Min/Max heating water pressure	0.5/3.0 (bar)	0.5/3.0 (bar)	0.5/3.0 (bar)	0.5/3.0 (bar)
Max.paduodamo vandens temperatūra / Max water outlet temperature	75 °C	75 °C	75 °C	75 °C
Darbinė temp. (šildyme) / Operating temp. ( heating)	-25/45 °C	-25/45°C	-25/45 °C	-25/45 °C
Darbinė temp. (vėsinime) / Operating temp. ( cooling)	15/45 °C	15/45 °C	15/45 °C	15/45 °C

Garso lygis (1m/5m) /Noise pressure (1m/5m)	51/37 dB	53/39 dB	54/40 dB	56/43 dB
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Išorinio bloko matmenys (mm) / Dimensions of the outdoor unit (mm)	976/450/688	1105/450/835	1105/450/835	1106/450/1603
Išorinio bloko matmenys su pakuote (mm) /	1100/455/780	1150/455/913	1150/455/913	1150/455/1671
Dimensions of the outdoor unit with packaging (mm)				
Išorinio bloko svoris / Weight of outdoor unit	70 kg	80 kg	90 kg	160 kg
Išorinio bloko svoris su pakuote / Weight of outdoor unit with package	80 kg	90 kg	100 kg	175 kg
Vidinio bloko matmenys(mm) / Dimensions of the indoor unit (mm)	386/274/667	386/274/667	386/274/667	386/274/667
Vidinio bloko matmenys su pakuote(mm) / Dimensions of the indoor unit with packaging (mm)	425/315/703	425/315/703	425/315/703	425/315/703
Vidinio bloko svoris (kg) / Indoor unit weight (kg)	34 kg	34 kg	34 kg	34 kg
Vidinio bloko svoris su pakuote (kg) / Weight of indoor unit with packaging (kg)	39 kg	39 kg	39 kg	39 kg