

8.0 GENERAL INFORMATION

TECHNICAL INFORMATION-SINGLE STAGE				
	N37K	N45K	N50H	N60H
General				
Sound pressure level dB(A) *	75	75	75	75
Maximum ambient temperature ° C (° F)	46 (115)	46 (115)	46 (115)	46 (115)
Minimum ambient temperature ° C (° F)	1.7 (35)	1.7 (35)	1.7 (35)	1.7 (35)
Weight Kg (lbs)	1048 (2310)	1048 (2310)	1048 (2310)	1048 (2310)
Maximum pressure barg (psig)	10 (145)	10 (145)	10 (145)	10 (145)
Minimum pressure barg (psig)	4.5 (65)	4.5 (65)	4.5 (65)	4.5 (65)
Coolant capacity litres (US gal)	18 (4.8)	18 (4.8)	18 (4.8)	18 (4.8)
HAT switch setting ° C (° F)	120 (248)	120 (248)	120 (248)	120 (248)
Performance **				
Flow at 7.5 Barg (m ³ /min)	6.43	7.39	–	–
Flow at 8.5 Barg (m ³ /min)	6.12	7.02	–	–
Flow at 10 Barg (m ³ /min)	5.83	6.46	–	–
Flow at 100 psig (cfm)	–	–	235	262
Flow at 125 psig (cfm)	–	–	216	248
Flow at 140 psig (cfm)	–	–	209	233
Air Cooling System				
Cooling air flow m ³ /min (cfm)	184 (6500)	184 (6500)	184 (6500)	184 (6500)
Maximum ΔP in air ducts Pa (inch WG)	124 (0.5)	124 (0.5)	124 (0.5)	124 (0.5)
Compressed air outlet ΔT ° C (° F)	8 (15)	8 (15)	8 (15)	8 (15)
Water Cooling System				
Cooling (clean) water flow l/min (US gallon/min) @ 10 ° C (50 ° F) / 32 ° C (90 ° F)	23/38 (6/10)	27/49 (7/13)	23/38 (6/10)	27/49 (7/13)
Maximum ΔP in air ducts Pa (inch WG)	62 (0.25)	62 (0.25)	62 (0.25)	62 (0.25)
Compressed air outlet ΔT ° C (° F)	14 (25)	14 (25)	14 (25)	14 (25)
Main Power Circuit A/C (W/C) ***				
Package full load current at 220V (A) **	140 (131)	168 (159)	140 (131)	168 (159)
Package full load current at 400V (A) **	75 (70)	90 (85)	–	–
Package full load current at 460V (A) **	–	–	68 (63)	81 (77)
Package full load current at 575V (A) **	–	–	56 (52)	67 (63)
Max fuse size @ 220V (A)	250	250	250	250
Max fuse size @ 400V (A)	125	125	125	125
Max fuse size @ 460V (A)	125	125	125	125
Max fuse size @ 575V (A)	100	100	100	100
Fuse type	Fast acting class J, T or semiconductor type, current limiting interrupt rating 200, 000 Amps RMS SYM.			
Heater Circuit				
110V Single Phase Rating (A)	4	4	4	4
230V Single Phase Rating (A)	4	4	4	4
Fuse type	General purpose			

* In accordance with PNEUROP PN8NTC2.3

** Tolerances in accordance with ISO 1217

*** Always apply local electrical codes for sizing cables and fusing. In the absence of local codes the minimum cable size should be calculated on basis of mean package full load current X1.25 (i.e. 25% margin)