



RSe7.5ne-A10

TIS L-FR1-V4 07e-11eRS-A-50-60Hz

Technical Information Sheet

REV B

Regulated Speed, Air Cooled

03.11.2025

Performance Data RSe7.5ne-A10

Maximum working pressure	bar g	10.0												
Minimum working pressure	bar g	5.0												
Ambient temperature - min/max	°C	1 to 45												
Working pressure		min. speed	speed 1		speed 2		speed 3		speed 4		max. speed			
5 bar	FAD* (Male rotor speed - rpm)	m3/min	0.51	(2010)	0.62	(2389)	0.73	(2771)	0.84	(3156)	0.96	(3543)	1.07	(3933)
	Total input power* (P spec. - kW min/m ³)	kW	3.78	(7.35)	4.26	(6.83)	4.79	(6.52)	5.37	(6.36)	6.00	(6.28)	6.68	(6.27)
6 bar	FAD*	m3/min	0.50	(2010)	0.61	(2387)	0.72	(2768)	0.83	(3153)	0.94	(3541)	1.06	(3933)
	Total input power*	kW	4.20	(8.44)	4.73	(7.76)	5.29	(7.33)	5.88	(7.06)	6.50	(6.88)	7.15	(6.78)
7 bar	FAD*	m3/min	0.48	(2010)	0.60	(2385)	0.71	(2765)	0.82	(3151)	0.93	(3540)	1.04	(3933)
	Total input power*	kW	4.62	(9.57)	5.19	(8.72)	5.78	(8.16)	6.38	(7.78)	7.01	(7.51)	7.65	(7.32)
7.5 bar	FAD*	m3/min	0.48	(2010)	0.59	(2385)	0.70	(2765)	0.81	(3150)	0.93	(3540)	1.04	(3933)
	Total input power*	kW	4.82	(10.14)	5.41	(9.19)	6.01	(8.57)	6.63	(8.14)	7.26	(7.83)	7.91	(7.61)
8 bar	FAD*	m3/min	0.47	(2010)	0.58	(2385)	0.69	(2765)	0.81	(3151)	0.92	(3540)	1.03	(3933)
	Total input power*	kW	5.02	(10.71)	5.63	(9.67)	6.24	(8.98)	6.88	(8.51)	7.52	(8.17)	8.18	(7.91)
9 bar	FAD*	m3/min	0.46	(2010)	0.57	(2386)	0.68	(2767)	0.80	(3152)	0.91	(3541)	1.02	(3933)
	Total input power*	kW	5.42	(11.87)	6.06	(10.63)	6.71	(9.83)	7.39	(9.28)	8.09	(8.89)	8.80	(8.61)
10 bar	FAD*	m3/min	0.44	(2010)	0.56	(2387)	0.67	(2768)	0.79	(3153)	0.90	(3541)	1.01	(3933)
	Total input power*	kW	5.81	(13.06)	6.47	(11.58)	7.16	(10.65)	7.88	(10.04)	8.64	(9.61)	9.43	(9.31)

Total input power at no load including fan	kW	1.3
Male rotor speed	rpm	2010 to 3933
Approx. discharge temperature of air above ambient (at max. power)	°C	13
Free field noise level ** at 70% load / at 100% load	dB(A)	63 / 69

Electrical Data

Nominal motor rating	kW	7.5
Nominal voltage [tolerance] (Frequency)		380V[+10% -5%]; 400V[±10%]; 460V[±10%] (50, 60Hz)
Full load current max. at 380V / 400V / 460V	A	25 / 24 / 21
Starting current (max. % of full load current)	%	100
Standard drive motor detail (ECA Qualifying)		IP55, IE3
Drive motor speed min./max.	rpm	1508 to 2950
Fan motor rating	kW	-
Suggested cable size at 380V / 400V / 460V (max.30°C / max. 50m / Copper)	mm ²	4G10
Suggested fuse rating at 380V / 400V / 460V (type gG)	A	25

Cooling Data

Ventilating fan capacity	m3/min	25
Heat rejected by ventilating fan (max. % of actual input power)	%	95
Size of cooling air inlet aperture	mm	Ø 320
Size of cooling air outlet aperture	mm	355 x 534
Approx. cooling air temperature above ambient (at max. power)	°C	18
Max. allowable pressure drop in duct at ambient 35°C / 45°C	Pa	110 / 90

Weights, Dimensions and Capacities Data

Compressor oil capacity	l	5
Oil carry over	mg/m3	< 3
Compressed air delivery connection (female screwed thread)		EN 10226-1 Rp 3/4 (DIN 2999-Rp 3/4)
Weight	kg	225
Package dimensions L x W x H	mm	667 x 630 x 1050

* Data measured and stated in accordance with ISO1217 4rd Edition Annex C & E and at the following conditions:

Air Intake Pressure: 1 bar a / 14.5 psia

Air Intake Temperature: 20°C / 68°F

Humidity: 0% (dry)

** Measured in free field conditions in accordance with the ISO 2151, tolerance ± 3dB(A).

Ingersoll Rand policy is one of continuous improvement and we therefore reserve the right to alter specifications without prior notice.