

Infeed and infeed/regenerative feedback modules

Open-loop with pulsed resistor OI module	Closed-loop with regenerative feedback I/RF module	Module width	Infeed module for internal heat dissipation	Infeed module for external heat dissipation ¹⁾	Mounting frame for control cabinet installation ²⁾	Infeed module for hose cooling
Rated output (S1)	Rated output (S1)				For external heat dissipation	(hose connection kit required)
kW	kW	mm (inch)	Order No.	Order No.	Order No.	Order No.
5	-	50 (1.97)	6SN11 46-1AB00-0BA1	6SN11 46-1AB00-0BA1	6SN11 62-0BA04-0JA0	-
10 ⁴⁾	-	100 (3.94)	6SN11 45-1AA01-0AA1	6SN11 45-1AA01-0AA1	6SN11 62-0BA04-0HA1	-
28 ⁴⁾	-	200 (7.87)	6SN11 45-1AA00-0CA0	6SN11 46-1AB00-0CA0	6SN11 62-0BA04-0DA1	-
-	16	100 (3.94)	6SN11 45-1BA01-0BA1	6SN11 46-1BB01-0BA1	6SN11 62-0BA04-0BA1	-
-	36	200 (7.87)	6SN11 45-1BA02-0CA1	6SN11 46-1BB02-0CA1	6SN11 62-0BA04-0DA1	-
-	55	300 (11.81)	6SN11 45-1BA01-	6SN11 46-1BB00-0DA1	6SN11 62-0BA04-0EA0	6SN11 45-1BB00-0DA1

			0DA1			
-	80	300 (11.81) 3)	6SN11 45-1BB00-0EA1	6SN11 46-1BB00-0EA1	6SN11 62-0BA04-0EA0	6SN11 45-1BB00-0EA1
-	120	300 (11.81) 3)	6SN11 45-1BB00-0FA1	6SN11 46-1BB00-0FA1	6SN11 62-0BA04-0EA0	6SN11 45-1BB00-0FA1

1) For external heat dissipation, the fan box is part of the mounting frame package for 300 mm (11.81 in) modules. The associated 6SN1162-0BA02-0AA2 built-on fan must be ordered separately.

2) The mounting frames can be omitted if the required openings for the module heat sinks are made as specified in the Planning Guide in the cabinet's rear panel.

The 6SN1162-0BA04-0EA0 mounting frame must be used with the 300 mm (11.81 in) modules.

3) For internal heat dissipation, the 300 mm (11.81 in) modules require the 6SN1162-0BA02-0AA2 built-on fan.

4) It is recommended that the 100 mm (3.94 in) thermally conductive cover is used.

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Internal heat dissipation	6SN1145-	—	1AA0.-0AA1	1AA0.-0CA0	1BA0.-0BA1	1BA0.-0CA1	1BA0.-0DA1	1BB0.-0EA1	1BB0.-0FA1
	6SN1146-	1AB0.-0AB1	—	—	—	—	—	—	—
External heat dissipation ⁷⁾	6SN1145-	—	1AA0.-0AA1	—	—	—	—	—	—
	6SN1146-	1AB0.-0AB1	—	1AA0.-0CA0	1BB0.-0BA1	1BB0.-0CA1	1BB0.-0DA1	1BB0.-0EA1	1BB0.-0FA1
Hose cooling ⁷⁾	6SN1145-	—	—	—	—	—	1BB0.-0DA1	1BB0.-0EA1	1BB0.-0FA1
<u>Infeed</u>									
Infeed type		Open-loop ¹⁾	Open-loop ¹⁾	Open-loop	Closed-loop	Closed-loop	Closed-loop	Closed-loop ²⁾	Closed-loop ²⁾
Rated output (S1)	kW	5	10	28	16	36	55	80	120

<u>method</u>									
Internal heat dissipation		Natural cooling	Universal cooling, internal/external	Internal separate fan	Internal separate fan	Internal separate fan	Internal separate fan	Built-on fan ⁴⁾	Built-on fan ⁴⁾
External heat dissipation		Natural cooling ¹⁾	Universal cooling, internal/external	Integrated separate fan	Integrated separate fan	Integrated separate fan	Fan box and built-on fan required ⁴⁾		
Hose cooling		–	–	–	–	–	Kit for hose cooling with fan		
<u>Losses</u>									
Internal heat dissipation	W	270 ³⁾	450 ³⁾	250 ³⁾	320	585	745	1280 ⁴⁾	1950 ⁴⁾
External heat dissipation	W	270 ³⁾ /–	119/ 331	90/ 160	50/ 270	50/ 535	115/ 630	190/ 1090	290/ 1660
Hose cooling, internal/external	W	–	–	–	–	–	115/ 630	190/ 1090	290/ 1660
Degree of efficiency η		0.985	0.985	0.985	0.97	0.975	0.977	0.977	0.978
<u>Weight</u>									
Internal heat dissipation	kg (lb)	6.5 (14.33)	9.5 (20.95)	15.5 (34.18)	10.5 (23.15)	15.5 (34.18)	26 (57.33)	26 (57.33)	29 (63.95)
External heat dissipation ⁵⁾	kg (lb)	6.5 (14.33)	9.5 (20.95)	15.5 (34.18)	10.5 (23.15)	15.5 (34.18)	26 (57.33)	26 (57.33)	29 (63.95)
Hose cooling ⁶⁾	kg (lb)	–	–	–	–	–	26 (57.33)	26 (57.33)	29 (63.95)

1) Housing suitable for drive groups with internal and external heat dissipation.

2) 80 kW/120 kW I/RF modules require an external control voltage of 2-phase AC 360 ... 457 V at 50 Hz and 2-phase AC 400 ... 510 V at 60 Hz for the internal line contactor. For 50 Hz networks, there is a matching transformer 4AM4096-0EM50-0AA0 available for matching line voltages of 230 V/380 V $\pm 10\%$ to 415 V (max. 2 contactors).

3) Including the internal pulsed resistor portion.

4) Built-on fan 6SN1162-0BA02-0AA2 is required.

- 5) Without built-in components.
- 6) Without hose cooling kit.
- 7) Data apply in conjunction with specified external fan and fan box.
- 8) The DC link voltage for 3-phase AC 400 V ... 415 V or 400 ... 480 V line voltage must be selected on the I/RF module by means of a coding switch.
- 9) External pulsed resistors can be connected.