

New!

Altivar™ Process 630/650

Table 26.20: Altivar Process 630/650 Selection



Altivar Process 630

Input Line Voltage	Normal Duty [34]			Heavy Duty [35]			Catalog Number
	Three-phase Motor Power [36]		Continuous Output Current [37]	Three-phase Motor Power [36]		Continuous Output Current [37]	
	HP	kW		HP	kW		
208/240 Vac Three Phase	1	0.75	4.6	0.5	0.37	3.3	ATV630U07M3
	2	1.5	8	1	0.75	4.6	ATV630U15M3
	3	2.2	11.2	2	1.5	8	ATV630U22M3
	4	3.0	13.7	3	2.2	11.2	ATV630U30M3
	5	4.0	18.7	4	3	13.7	ATV630U40M3
	7.5	5.5	25.4	5	4	18.7	ATV630U55M3
	10	7.5	32.7	7.5	5.5	25.4	ATV630U75M3
	15	11	46.8	10	7.5	32.7	ATV630D11M3
	20	15	63.4	15	11	46.8	ATV630D15M3
	25	18.5	78.4	20	15	63.4	ATV630D18M3
	30	22	92.6	25	18.5	78.4	ATV630D22M3
	40	30	123	30	22	92.6	ATV630D30M3
	50	37	149	40	30	123	ATV630D37M3
	60	45	176	50	37	149	ATV630D45M3
	75	55	211	60	45	176	ATV630D55M3
	100	75	282	75	55	211	ATV630D75M3
400/480 Vac Three Phase	1	0.75	2.2	0.5	0.37	1.5	ATV630U07N4 ATV650U07N4U
	2	1.5	4	1	0.75	2.2	ATV630U15N4 ATV650U15N4U
	3	2.2	5.6	2	1.5	4	ATV630U22N4 ATV650U22N4U
	4	3	7.2	3	2.2	5.6	ATV630U30N4 ATV650U30N4U
	5	4	9.3	4	3	7.2	ATV630U40N4 ATV650U40N4U
	7.5	5.5	12.7	5	4	9.3	ATV630U55N4 ATV650U55N4U
	10	7.5	16.5	7.5	5.5	12.7	ATV630U75N4 ATV650U75N4U
	15	11	23.5	10	7.5	16.5	ATV630D11N4 ATV650D11N4U
	20	15	31.7	15	11	23.5	ATV630D15N4 ATV650D15N4U
	25	18.5	39.2	20	15	31.7	ATV630D18N4 ATV650D18N4U
	30	22	46.3	25	18.5	39.2	ATV630D22N4 ATV650D22N4U
	40	30	61.5	30	22	46.3	ATV630D30N4 ATV650D30N4U
	50	37	74.5	40	30	61.5	ATV630D37N4 ATV650D45N4U
	60	45	88	50	37	74.5	ATV630D45N4 ATV650D55N4U
	75	55	106	60	45	88	ATV630D55N4 ATV650D55N4U
	100	75	145	75	55	106	ATV630D75N4 ATV650D75N4U
	125	90	173	100	75	145	ATV630D90N4 ATV650D90N4U
	150	110	211	125	90	173	ATV630C11N4
	200	130	250	150	110	180	ATV630C13N4
	250	160	302	200	132	240	ATV630C16N4
690 Vac Three Phase	350	220	324	250	160	246	ATV630C22N4
	400	250	366	300	220	301	ATV630C25N4
	450	310	461	400	250	375	ATV630C31N4
	3	2.2	3.1	2	1.5	2.4	ATV630U22Y6
	—	3	4.2	3	2.2	3.1	ATV630U30Y6
	5	4	5.4	—	3	4.2	ATV630U40Y6
	7.5	5.5	7.2	5	4	5.4	ATV630U55Y6
	10	7.5	9.5	7.5	5.5	7.2	ATV630U75Y6
	15	11	13.5	10	7.5	9.5	ATV630D11Y6
	20	15	18	15	11	13.5	ATV630D15Y6
	25	18	24	20	15	18	ATV630D18Y6
	30	22	29	25	18	24	ATV630D22Y6
	40	30	34	30	22	29	ATV630D30Y6
	50	37	45	40	30	34	ATV630D37Y6
	60	45	55	50	37	45	ATV630D45Y6
	75	55	66	60	45	55	ATV630D55Y6
	100	75	83	75	55	66	ATV630D75Y6
	125	90	108	100	75	83	ATV630D90Y6

[34] Normal duty applications requiring an overload up to 110% for 60 seconds. Typical for variable torque loads.

[35] Heavy duty applications requiring an overload up to 150% for 60 seconds. Typical for constant torque loads.

[36] These values are given for a nominal switching frequency of 4 kHz up to ATV630D45N4, or 2.5 kHz for ATV630D55N4...D90N4 for use in continuous operation. The switching frequency is adjustable from 1...16 kHz for all ratings. Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see the derating curves on our website www.schneider-electric.com).

[37] Typical value for the indicated motor power and for the maximum prospective line Isc.