

Serial number	Model	Power (KW)	Rated voltage (V)	Current rating (A)	Rated speed (r/min)	Excitation method	Rated efficiency (%)	Work schedule	Quality (kg)	Supporting locomotive	Application
1	ZTP-11	0.4	110	5.35	1500	shunt	68	S1	30	DF locomotive	Fuel pump motor
2		0.8	110	9.96	3000	shunt	73	S1		DF locomotive	Voltage regulating switch
3		0.8	110	9.96	2800	shunt	73	S1		DF locomotive	Servo motor
4		0.8	74	14.7	3000	shunt	73.5	S1	30	DF locomotive	Voltage regulating switch
5		0.6	74	11.4	1600	shunt	71	S1	35	DF locomotive	
6		0.6	110	7.68	1500	shunt	71	S1		DF, GK locomotive	Fuel pump motor
7		0.6	110	7.68	1500	separatell OV	71	S1		DF, GK locomotive	Fuel pump motor
8		0.6	110	5.45	3000	separatell OV	71	S1		DF locomotive	tachogenerator
9		0.6	78.5	10.8	1500	shunt	70.8	S1		DF, GK locomotive	Fuel pump motor

10	ZTP-12	0.6	78.5	7.64	3000	separate 78.5V	70.8	S1	35	DF locomotive	tachogenerator
11		0.6	75	11.4	1450	separate 110V	70.2	S1		DF locomotive	Fuel pump motor
12		0.6	220	2.73	1500	separate 8.5V		S1		DF locomotive	dynamo
13		0.6	110	7.27	3000	shunt	75	S1		DF locomotive	Fuel pump motor
14		0.8	110	9.32	2000	shunt	78	S1		DF locomotive	Ventilator motor
15		0.8	110	9.32	2000	separate 110V	78	S1		DF locomotive	Ventilator motor
16		1.1	74	19.3	3000	shunt	77	S1		DF locomotive	Ventilator motor
17		1.1	96	14.9	3000	shunt	77	S1		DF locomotive	Ventilator motor
18	ZTP-12PA1	1.1	110	12.9	3000	shunt	77.5	S1	DF locomotive	Ventilator motors	
19		1.1	110	12.9	2450	shunt	77.5	S1	DF locomotive	Ventilator motor	

20	ZTP-12PA2	0.6	110	7.68	1500	separate110V	71	S1		DF locomotive	Fuel pump motor
21	ZBT-12	1.3	110	15.4	3000	shunt	76.7	S1		DF, GK locomotive	Ventilator motor
22	ZTP-12D	0.5	110	6.2	1400	separate110V	73.3	S1		DF locomotive	For electric locomotives
23	ZTP-21	1.3	115	11.3	3300	separate60V		S1	50	DF locomotive	tachogenerator
24		1.3	115	11.3	3300	separate10V		S1		DF locomotive	
25	ZTP-22	1.1	110	13	1500	shunt	76.9	S1		DF locomotive	Freezer motor
26		1.1	48	22.5	1500	Serial	75.2	S1		DF locomotive	Freezer motor
27		1.1	110	30.5	1500	shunt	75.1	S1		DF locomotive	Freezer motor
28		2.2	96	24.7	3000	shunt	81	S1		DF locomotive	Freezer motor
29		2.2	110	28.3	3000	shunt	80.9	S1		DF locomotive	Freezer motor

30		1.1	110	13	1500	compu nd	76.9	S1	59	DF locomo tive	Freeze r motor
31	ZTP- 22B	1.0	110	12.2	1245	shunt		S1		DF locomo tive	Fuel pump motor
32		1.6	110	18.6	1800	shunt		S1		DF locomo tive	Fuel pump motor
33		2.2	110	24.5	2450	shunt		S1		DF locomo tive	Fuel pump motor
34		ZTP- 22Z	1.8	110	20.3	2200	compu nd	80.6		S1	DF locomo tive
35	ZTP- 31	0.4	110	3.64	1000	separ ate8. 5V		S1	67	DF locomo tive	dynamo
36		2.2	110	25.2	2000	shunt	79.4	S1		DF locomo tive	dynamo
37		1.1	24	62	3000	shunt	73.9	S1		DF locomo tive	Locomo tive test bench
38	ZTP- 32	0.7	110	8.48	1000	separ ate11 0V	75	S1	79	DF locomo tive	Locomo tive test bench
39	ZTP-	4.5	96	57.8	2200	shunt	81	S1	85	DF locomo tive	Oil pump motor

40	41	4.5	75	74	2200	shunt	81	S1	00	DF locomotive	Oil pump motor
41	ZTP-42	1.2	48	34	900	shunt	73.5	S1	100	DF locomotive	Oil pump motor
42	ZTP-52	6.0	78.5	93.5	1250	shunt	81.7	S1	156	DF locomotive	Oil pump motor
43		7.5	78.5	115	1500	shunt	83	S1		DF locomotive	Oil pump motor
44	ZTP-62G	13	110	139	1500	shunt	85	S1	200	DF locomotive	Air compressor motor
45	ZTP-61L	11	220	58.2	2000	Seria 1	85.9	S1	140	DF locomotive	Ventilator motor
46	ZTP-62K	9	74	148	1000	Seria 1	82.1	S4(60%)	200	DF locomotive	Air compressor motor
47		9	78.5	139	1000	Seria 1	82.4	S4(60%)		DF locomotive	Air compressor motor
48		13	110	139	1500	Seria 1	85	S1		DF locomotive	Air compressor motor
49	ZTP-62K1	10.4	78.5	165	1200	shunt	80.2	S1	200	DF locomotive	Air compressor motor

50	ZTP-62K2	18.5	110	210	1500	Seria 1	80	S4(50%)	200	DF locomotive	Air compressor motor
51	ZTP-63K	24	110	264	3000	Seria 1	82.6	S4(40%)	235	DF locomotive	Air compressor motor
52		24	110	254	3000	shunt	85.9	S4(40%)		DF locomotive	Air compressor motor
53	ZTP-63K1	26	110	278	2650	shunt	85	S4(40%)	240	DF locomotive	Air compressor motor
54		26	110	278	2900	shunt	85	S4(40%)		DF locomotive	Air compressor motor
55		26	110	278	2900	Seria 1	85	S4(40%)		DF locomotive	Air compressor motor
56	ZTP-63D	20	110	217	3000	Seria 1	84	S4(40%)	125	DF locomotive	Air compressor motor
57		24	110	259	3000	Seria 1	84.2	S4(40%)		DF locomotive	Air compressor motor
58	ZTP-62A	22	240	108	3100	Seria 1		S1		DF locomotive	Resistor brake motor
59	ZTP-62A1	22	220	115	3100	Seria 1		S1		DF locomotive	Resistor brake motor

60	ZTP-62L	22	220	115	3000	Seria 1		S1	155	DF locomotive	Resistor brake motor
61	ZTP-63A	27.5	260	125	3500	Seria 1		S1		DF locomotive	Resistor brake motor
62	ZTP-63B	30	260	136	3500	Seria 1		S1		DF locomotive	Resistor brake motor
63	ZTP-63B1	24	250	115	3200	Seria 1		S1		DF locomotive	Resistor brake motor
64	ZTP-63L	30	260	136	3500	Seria 1		S1		DF locomotive	Resistor brake motor
65	ZBT-63	30	260	136	3500	Seria 1		S1		160	DF locomotive
66	ZTP-82B	13	110	145	750	separate 110V	80	S2 60min	165	DF locomotive	Vacuum pump
67		13	110	145	700	separate 108V	80	S1	430	DF locomotive	Vacuum pump