

TECHNICAL CHARACTERISTICS OF DIESEL ENGINES OF OJSC "MMP"

MODEL	Number and arrangement of cylinders	Type of gas exchange system	Rated power, kW (hp)	Rated speed, rpm	Max. torque, Nm (kgf·m)	Speed of max. torque, rpm	Brake specific fuel consumption, g/kW·h (g/hp·h)	Mass, kg
FOUR-CYLINDER DIESEL ENGINES WITHOUT PRESSURIZATION								
D-241	4L	NA	53 (72)	2100	240 (24.5)	1600	226 (166)	430/490
D-242	4L	NA	46 (62)	1800	241 (24.6)	1400	226 (166)	430/490
D-243	4L	NA	60 (81)	2200	258 (26.3)	1600	226 (166)	430/490
D-244	4L	NA	42 (57)	1700	235.4 (24)	1400	226 (166)	430
D-248	4L	NA	44 (60)	2000	242 (24.7)	1600	220 (162)	430
D-248.1	4L	NA	37 (50)	1800	224 (23)	1400	220 (162)	430
D-242C	4L	NA	47.5 (64.4)	1800	252 (25.7)	1400	230 (169)	430
D-243C	4L	NA	60 (81.6)	2200	260.5(26.6)	1400	235 (173)	430
D-244C	4L	NA	43.5 (59)	1700	244 (25)	1400	230 (169)	430
FOUR-CYLINDER DIESEL ENGINES With PRESSURIZATION (tractor)								
D-245/245JI	4L	T	77 (105)	2200	384 (39.2)	1400	220 (162)	450/485
D-245.5	4L	T	65 (88.7)	1800	397 (40.5)	1400	217 (159.6)	450
D-245.16/245.16JI	4L	TW	93(126.5)	1800	567 (57.9)	1400-1500	220 (162)	495/512
D-245C	4L	T	79 (107.4)	2200	392 (40)	1400	230 (169)	450
D-245.5C	4L	T	66 (89.7)	1800	404 (41)	1200	225 (165.4)	450
D-245.2S2	4L	TW	90 (122,4)	2200	490 (49,7)	1600	245 (180)	470
D-245S2	4L	TW	81 (110)	2200	429 (43,5)	1600	240 (177)	450
D-245S2-BT	4L	TW	81 (110)	2200	429 (43,5)	1600	240 (177)	450
D-245.5S2	4L	TW	70 (95,2)	1800	451 (45,7)	1400	220 (162)	450
D-245.43S2	4L	TW	62 (84,3)	1800	398 (40,4)	1400	220 (162)	450
D-245.2S3A	4L	TW	90 (122,4)	2200	501 (50,8)	1600	225 (165)	470
D-245S3A	4L	TW	81 (110)	2200	440 (44,6)	1600	225 (165)	450
D-245.5S3A	4L	TW	70 (95,2)	1800	464 (47,1)	1400	210 (154)	450
D-245.43S3A	4L	TW	62 (84,3)	1800	411 (41,7)	1400	210 (154)	450
D-245.43S3AM	4L	TW	62 (84,3)	1800	411 (41,7)	1400	210 (154)	450
D-245.2S3B	4L	TW	90 (122,4)	2200	501 (50,8)	1600		470
D-245S3B	4L	TW	81 (110)	2200	440 (44,6)	1600		450
D-245.5S3B	4L	TW	70 (95,2)	1800	464 (47,1)	1400		450
D-245.43S3B	4L	TW	62 (84,3)	1800	411 (41,7)	1400		450
FOUR-CYLINDER DIESEL ENGINES WITH PRESSURIZATION (automobile)								
D-245.7*	4L	TW	90 (122.4)	2400	423 (43)	1300	215 (158)	530
D-245.9*	4L	TW	100 (136)	2400	460 (47)	1300	215 (158)	430
D-245.12	4L	T	80 (108.8)	2400	350 (35.7)	1300-1700	218 (160.3)	430
D-245.12C	4L	T	80 (108.8)	2400	353 (36)	1300-1700	218 (160.3)	430
D-245.7E2	4L	TW	90 (122.4)	2400	422 (43.1)	1500	210 (154)	600...640
D-245.9E2	4L	TW	100 (136)	2400	446 (45.5)	1500	210 (154)	500...540
D-245.11E2	4L	TW	80 (108.8)	2400	355 (36.2)	1500	210 (154)	500
D-245.30E2	4L	TW	115 (156.4)	2400	526 (53.7)	1600	210 (154)	500...540
D-245.7E3	4L	TW	90 (122.4)	2400	420 (43)	1400	200 (147)	500...540
D-245.9E3	4L	TW	100 (136)	2400	460 (46.9)	1400	200 (147)	500...540
D-245.30E3	4L	TW	115 (156.4)	2400	575 (58.7)	1500	205 (151)	500...640
FOUR-CYLINDER DIESEL ENGINES (industrial)								
D-246.1	4L	NA	42 (57,1)	1500	267 (27,2)		220 (162)	450
D-246.2	4L	T	54 (73,4)	1500	343 (34,9)		215 (158)	460
D-246.3	4L	TW	65 (88,4)	1500	413 (42,1)		210 (154)	460
D-246.4	4L	TW	77 (104,7)	1500	490 (49,9)		210 (154)	460

MODEL	Number and arrangement of cylinders	Type of gas exchange system	Rated power, kW (hp)	Rated speed, rpm	Max. torque, Nm (kgf·m)	Speed of max. torque, rpm	Brake specific fuel consumption, g/kW·h (g/hp·h)	Mass, kg
SIX-CYLINDER DIESEL ENGINES WITH PRESSURIZATION (tractor)								
D-260.1	6L	T	114 (155)	2100	622 (63.4)	1400	220 (162)	710
D-260.2	6L	T	95,6 (130)	2100	500 (51.0)	1400	226 (166)	710
D-260.4	6L	TW	154,4 (210)	2100	808 (82.3)	1500	220 (162)	710
D-260.9	6L	TW	132 (180)	2100	690 (70,4)	1500	220 (162)	700
D-260.14	6L	TW	103 (140)	1800	682 (69.6)	1400	220 (162)	700
D-260.1C	6L	T	116 (157.7)	2100	615 (62.7)	1400	238 (175)	710
D-260.2C	6L	T	98 (133.3)	2100	529 (53.9)	1400	235 (173)	710
D-260.4C	6L	TW	156(212)	2100	807 (82.3)	1500	220 (162)	700
D-260.9C	6L	TW	132 (180)	2100	690 (70,4)	1500	220 (162)	700
D-260.14C	6L	TW	103 (140)	1800	682 (69.6)	1400	235 (173)	700
D-260.1S2	6L	TW	116 (157.7)	2100	659 (67.2)	1400-1700	240 (177)	710
D-260.2S2	6L	TW	100 (136)	2100	568 (58)	1400-1700	240 (177)	710
D-260.4S2	6L	TW	156(212)	2100	922 (94)	1400-1700	240 (177)	710
D-260.9S2	6L	TW	132 (180)	2100	780 (79,6)	1400-1700	240 (177)	700
D-260.14S2	6L	TW	103 (140)	1800	710 (72,5)	1400	245 (180)	700
D-260.1S3A	6L	TW	116 (157.7)	2100	660 (67,3)	1600	240 (177)	720
D-260.2S3A	6L	TW	100 (136)	2100	570 (58,2)	1600	240 (177)	720
D-260.4S3A	6L	TW	156(212)	2100	923 (94,2)	1600	240 (177)	720
D-260.1S3B	6L	TW	116 (157.7)	2100	660 (67,3)	1600		720
D-260.2S3B	6L	TW	100 (136)	2100	570 (58,2)	1600		720
D-260.4S3B	6L	TW	156(212)	2100	923 (94,2)	1600		720
D-262S2	6L	TW	220,6 (300)	2100	1320 (135)	1400-1600	230 (169)	800
D-262.1S2	6L	TW	206 (280)	2100	1233 (126)	1400-1600	230 (169)	800
D-262.2S2	6L	TW	189 (250)	2100	1130 (115)	1400-1600	230 (169)	800
D-263S2	6L	TW	220,6 (300)	2100	1254 (128)	1400-1600	230 (169)	800
D-263.2S2	6L	TW	206 (280)	2100	1171 (120)	1400-1600	230 (169)	800
D-263.3S2	6L	TW	184 (250)	2100	1046 (107)	1400-1600	230 (169)	800
SIX-CYLINDER DIESEL ENGINES WITH PRESSURIZATION (automobile)								
D-260.5C	6L	TW	169 (230)	2100	883 (90.1)	1300-1600	235 (173)	750
D-260.5E2	6L	TW	169 (230)	2100	890 (90.8)	1300-1700	236 (174)	750
D-260.5E2-BT	6L	TW	169 (230)	2100	890 (90.8)	1300-1700	236 (174)	750
D-260.11E2	6L	TW	136 (185)	2100	720 (73.5)	1300-1600	236 (174)	750
D-260.12E2	6L	TW	184 (250)	2100	970 (98,9)	1300-1700	236 (174)	750
D-260.5E3	6L	TW	169 (230)	2100	920 (93,9)	1400	233 (172)	750
D-260.11E3	6L	TW	136 (185)	2100	730 (74,5)	1400	235 (173)	770
D-260.12E3	6L	TW	184 (250)	2100	1004 (102)	1400	220 (162)	750
D-263E3	6L	TW	220,6 (300)	2100	1254 (128)	1400	230 (169)	800
D-263.1E3	6L	TW	257 (350)	2100	1400 (143)	1400	230 (169)	800
SIX-CYLINDER DIESEL ENGINES WITH PRESSURIZATION (industrial)								
D-266.1	6L	TW	80 (109)	1500	509 (51,9)		212 (156)	720
D-266.2	6L	TW	95 (129)	1500	605 (61,7)		212 (156)	720
D-266.3	6L	TW	115 (156,4)	1500	732 (74,7)		209 (154)	720
D-266.4	6L	TW	127 (173)	1500	809 (82,6)		208 (153)	720
L – in line, vertical; H – in line, horizontal; JI – with the starting engine in start-up system; NA – natural aspiration; T – turbocharged; TW – turbocharged and supercharging air intercooling; BT – the diesel engines working on biofuel. bore and stroke – 110x125 mm								
All diesel engines are competence for environmental safety requirements: EURO 0; EURO 1; EURO 2; EURO 3; EURO 4; STAGE2; STAGE3A; STAGE3B;								