

FL 912



DENIZ MOTOR

Yakıtli araçlar için
Iskân ve Iskân (çatı)

TECHNISCHE DATEN

Ergänzungsbild zu 00310101

SPECIFICATION DATA

Supplement to 00310102

CARACTERISTIQUES TECHNIQUES

Complément au 00310103

DATOS TECNICOS



Hoja complementaria para
00310104

Model		△ = Updated
No. of cylinders SAE adapter housing		Size
Bore / Stroke Capacity Compression ratio		mm litres
Rotational speed Mean piston speed		1/min m/s
Continuous rating ("A" to DIN 6270) (10% overload capacity) BMEP at idem	kW hp bar	
Intermittent rating ("B" to DIN 6270) (no overload) a) heavy duty b) light duty BMEP at idem	kW hp kW hp bar	
Automotive rating (DIN 78005) BMEP at idem	kW hp bar	
Max. torque (automotive rating) at speed	Nm 1/min	
Min. sustained working speed Min. idling speed	1/min 1/min	
Specific fuel consumption (automotive rating and max. torque) Max. lub. oil consumption as referred to fuel consumption	g/kWh g/HPH %	
Starting method Max. continuous inclination of standard pump: fan end flywheel end LH or RH side	deg deg deg	
Shipping volume (bareweight packing)	m³	

F 3 L 912							
3							
2, 3, 4, 5 + 6							
100 / 120							
1,888							
17							
1500	1800	2000	2150	2300	2400	2450	2600
6,5	7,2	8,0	8,6	9,2	10,0	10,6	11,2
14	17	18	19	20	—	—	—
19	23	25	26,5	27,5	—	—	—
5,84	6,02	6,73	6,63	6,54	—	—	—
15	18	19	21	21	22	—	—
20	24,5	26,5	28	29	30,5	—	—
15	19	21	22	23	24	—	—
21	26,5	28	29,5	30,5	32	—	—
6,37	6,72	6,69	6,52	6,09	6,11	—	—
—	—	—	—	22	24	—	—
—	—	—	—	30,5	32	—	—
—	—	—	—	6,09	6,11	—	—
100							
1900							
1200							
550 + 50							
308							
185							
%							
EL, HD							
17,5							
20							
30							
0,9							

HD = manual starter EL = electric starter

ENGLISH


Model  = updated		F 3 L 913 							
No. of cylinders		3							
SAE adapter housing	Size	2.3 + 4							
Bore / Stroke	mm	100 / 120							
Capacity	litres	2,827							
Compression ratio		17							
Rotational speed	1/min	1500	1800	2000	2150	2300	2500	2650	2800
Mean piston speed	m/s	6,0	7,2	8,0	8,6	9,2	10,0	10,8	11,2
Continuous rating ("A" to DIN 6272)									
(10% overload capacity)	kW	24	28	30	32	35	—	—	—
	HP	32	38	41	44	47	—	—	—
BMEP at idem	bar	6,79	8,0	8,37	8,92	9,40	—	—	—
Intermittent rating ("B" to DIN 6272)									
(no overload)									
a) heavy duty	kW	25	29	32	35	38	38	—	—
	HP	34	40	44	47	49	52	—	—
b) light duty	kW	28	31	34	36	38	40	41	43
	HP	38	42	46	49	51	54	56	58
BMEP at idem	bar	7,36	7,91	7,92	7,11	7,60	8,79	8,57	8,52
Automotive rating (DIN 70020)									
	kW	—	—	—	—	38	40	41	43
	HP	—	—	—	—	51	54	56	58
BMEP at idem	bar	—	—	—	—	7,60	8,79	8,57	8,52
Max. torque	Nm	170							
(automotive rating)									
at speed	1/min	1600							
Min. sustained working speed	1/min	1200							
Min. idling speed	1/min	650 + 50							
Specific fuel consumption	g/kWh	328							
(automotive rating and max. torque)	g/HP/h	188							
Max. lube oil consumption as referred									
to fuel consumption	%	1%							
Starting method		EL							
Max. continuous inclination									
of standard sump									
fan and	deg	12							
system and	deg	25							
LH or RH side	deg	32							
Shipping volume (baseonly packing)	m ³	1,0							


HD = manual starter EL = electric starter

Model		P 4 L 812								
No. of cylinders SAE adaptor housing		Size	4 2.3 + 4							
Bore / Stroke Capacity Compression ratio		mm Inches	180 / 128 3,770 17							
Rotational speed Mean piston speed		l/min m/s	1500	1800	2000	2150	2300	2500	2650	2800
Continuous rating ("A" to DIN 6270) (100% overload capacity) BMEP at idem		kW HP bar	32	38	41	44	46	—	—	—
Intermittent rating ("B" to DIN 6270) (no overload)										
a) heavy duty		kW HP	34	40	44	46	48	51	—	—
b) light duty		kW HP	35	43	46	48	51	54	57	59
BMEP at idem		bar	7.40	7.81	7.93	7.96	7.96	8.55	8.65	8.71
Automotive rating (DIN 70820)		kW HP bar	—	—	—	—	51	54	57	59
BMEP at idem		bar	—	—	—	—	7.05	6.88	6.85	6.71
Max. torque (automotive rating) at speed		Nm l/min	230 1680							
Min. sustained working speed Min. idling speed		l/min l/min	1200 650 + 50							
Specific fuel consumption (automotive rating and max. torque) Max. fuel oil consumption as referred to fuel consumption		g/kWh g/HPH %	231 160 1%							
Starting method Max. continuous inclination of standard sump		deg deg deg	EL 24 24 40							
Shipping volume (seaworthy packing)		m ³	1.2							

HD = manual starter EL = electric starter

ENGLISH

Model  - Updated	
No. of cylinders SAE adapter bearing	Size
Bore / Stroke Capacity Compression ratio	mm Gross
Rotational speed Mean piston speed	1/min m/s
Continuous rating ("A" to DIN 6270) (10% overload capacity) BMEP at idem	kW HP bar
Intermittent rating ("B" to DIN 6270) (no overload) at heavy duty	kW HP
at light duty	kW HP
BMEP at idem	bar
Automotive rating (DIN 78020)	kW HP bar
BMEP at idem	bar
Max. torque (automotive rating) at speed	Nm 1/min
Min. sustained working speed Min. idling speed	1/min 1/min
Specific fuel consumption (automotive rating and max. torque) Max. lube oil consumption as referred to fuel consumption	g/kWh g/HPH %
Starting method Max. continuous inclination of standard sump:	
fan end	deg.
flywheel end	deg.
LH or RH side	deg.
Shipping volume (seaworthy packing)	m ³

P 5 L 912 								
5 2,3 + 4								
100 / 120 4,712 17								
1500	1800	2000	2150	2300	2500	2650	2800	
6,0	7,2	8,0	8,6	9,2	10,0	10,0	11,2	
80	48	63	66	68	-	-	-	
54	65	71	76	79	-	-	-	
6,79	6,79	6,62	6,52	6,42	-	-	-	
42	58	55	58	61	65	-	-	
37	68	75	79	83	88	-	-	
44	53	58	62	65	68	71	74	
60	72	79	84	88	93	96	100	
7,47	7,50	7,39	7,35	7,20	6,93	6,81	6,73	
-	-	-	-	65	68	71	74	
-	-	-	-	88	93	96	100	
-	-	-	-	7,20	6,93	6,81	6,73	
285								
1600								
1200 600 + 50								
324 185								
1%								
EL								
24								
24								
45								
1,3								

HD - manual starter EL - electric starter

ENGLISH

Model		F 6 L 912									
No. of cylinders SAE adapter housing	Size	6 2, 3 + 4									
Bore / Stroke Capacity Compression ratio	mm litres	100 / 100 5,655 17									
Rotational speed Mean piston speed	1/min m/s	1500	1800	2000	2150	2300	2500	2650	2800	3000	
Continuous rating ("A" to DIN 6270) (10% overload capacity) BMEP at idem	kW HP bar	45	54	59	63	65	67	69	68	65	
Intermittent rating ("B" to DIN 6270) (no overload)											
a) heavy duty	kW HP	48	57	63	66	69	72	74	71	69	
b) light duty	kW HP	51	61	66	69	74	76	78	81	78	
BMEP at idem	bar	7,22	7,2	7,01	6,81	6,63	6,45	6,25	6,14	5,95	
Automotive rating (DIN 70020)	kW HP bar	—	—	—	—	74	76	78	81	—	
BMEP at idem	bar	—	—	—	—	6,83	6,45	6,25	6,14	—	
Max. torque (automotive rating) at speed	Nm 1/min	330 1500									
Min. sustained working speed Min. idling speed	1/min 1/min	1300 850 + 50									
Specific fuel consumption (automotive rating and max. torque) Max. rate of consumption as referred to fuel consumption	g/kWh g/HP-h %	229 160 1%									
Starting method Max. continuous inclination of standard sump:		EL									
fan end	deg	30									
flywheel end	deg	30									
LH or RH side	deg	40									
Shipping volume (seaworthy packing)	m ³	1,4									

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KHD
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	100 B ¹ 100	100 B ¹ 100	100 B ¹ 100	100 B ¹ 100	100 B ¹ 100
P 1 1 1 1 1	100 100%	100 100% 100 100%	100 100%	100 100%	100 100%
P 1 1 1 1 1	100 100%	100 100%	100 100%	100 100%	100 100%
P 1 1 1 1 1	100 100%	100 100%	100 100%	100 100%	100 100%
P 1 1 1 1 1	100 100%	100 100%	100 100%	100 100%	100 100%
P 1 1 1 1 1	100 100%	100 100%	100 100%	100 100%	100 100%

- 1. all Deutz Chemicals are... (unreadable)
- 2. Deutz... (unreadable)
- 3. Deutz... (unreadable)
- 4. Deutz... (unreadable)
- 5. Deutz... (unreadable)
- 6. Deutz... (unreadable)
- 7. Deutz... (unreadable)
- 8. Deutz... (unreadable)
- 9. Deutz... (unreadable)
- 10. Deutz... (unreadable)