

机体总成 Cylinder Block Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	KM485QB-01005	缸盖螺栓 Cylinder head stud	8
2	L375-01103	定位套 Locating sleeve	2
3	KM385QB-01002	气缸盖垫片 Cylinder head gasket	1
4	KM485QB-01003	气缸套 Cylinder liner	3
5	GB/T5783-2000	螺栓 M8×20 BoltM8×20	1
6	GB/T848-2002	垫圈 8 Washer 8	7
7	LL380-01012	侧盖（I） Side cover（I）	1
8	LL380-01015	侧盖（I）垫片 Side cover（I） gasker	1
9	LL380-01013	侧盖（II） Side cover（II）	1
10	LL480-01014	侧盖（II）垫片 Side cover（II） gasker	1
11	KM385QB-01111	机体 Cylinder block	1
12	KM385T-01018	飞轮壳垫片 Gasket of flying wheel cover	1
14	D495QB-01024	碗型塞 φ32 Bowl shape plugφ32	4
15	L375-01320-1	机油尺管焊接件 Dipstick sleeve weldment	1
16	KM385T-01300	机油尺总成 Oil level dipstick	1
17	KM485QB-01015	主轴瓦上瓦 Upper main bearing	4
18	KM485QB-01016	主轴瓦下瓦 Lower main bearing	4
19	KM485QB-01007	曲轴上止推片 Upper thrust piece of crankshaft	2
20	KM85QB-01008	曲轴下止推片 Lower thrust piece of crankshaft	2
21	KM485QB-01112	后主轴承盖 Rear main bearing cap	1
22	L375-01110	主轴承盖螺栓垫圈 Main bearing bolt washer	8
23	L375-01111	主轴承盖螺栓 Main bearing bolt	8
24	GB/T119.1-2000	销 B8×18 Pin B8×18	1

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
25	KM385T-01035	机油压力表接头 Connecting joint for oil pressure sensor	1
26	L375-12500	机油压力塞 Oil pressure sensor	1
27	KM385BT-01600	放水阀部件 Water drain parts	1
28	D495QB-01012	碗形塞 φ28 Bowl shape plugφ28	1
29	D495QB-01014	碗形塞 φ51 Bowl shape plugφ51	2
30	L375-01103	主油道堵塞 Oil route plug	2
31	L375-01115	碗形塞 φ10 Bowl shape plugφ10	1
32	L375-01027	机油滤清器垫片 Oil filter gasket	2
33	GB/T5783-2000	螺栓 M8×60 BoltM8×60	2
34	GB/T5783-2000	螺栓 M10×30 BoltM10×30	2
35	GB/T848-2002	垫圈 10-100HV Washer 10-100HV	2
37	GB/T5783-2000	螺栓 M8×18 Bolt M8×18	24
38	KM485QB-01112	主轴承盖 Main bearing cap	3
39	L375-01104	主油道堵塞 Plug	2
40	GB/T119.1-2000	销 10×20 Pin10×20	2
41	GB/T5783-2000	螺栓 M8×55 BoltM8×55	4
42	GB/T5783-2000	螺栓 M8×45 BoltM8×45	4
43	D495QB-03105	碗形塞 φ42 Bowl shape plugφ42	2
44	L375-01112	凸轮轴前衬套 Front bush of camshaft	1
45	L375-01113	凸轮轴中衬套 Middle bush of camshaft	1
46	KM485QB-01114	凸轮轴后衬套 Rear bush of camshaft	1

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
47	KMKM485QB-01111	碗形塞 $\phi 20$	3
48	GB/T827-1986	铆钉 2×6	4
49	D495QA-03020	标牌	1
50	GB62-88	蝶形螺母 M6	1
51	GB848-85	垫圈 6 -100HV	1
52	D495QB-012105	呼吸器盖	1
53	LL380-01203	滤网	1
54	KM485QB-01211	通气管盖板	1
55	D495QB-01212	呼吸器焊接件	1
56	LL480-01011	呼吸器垫片	1
57	LL380-01501	放油螺塞	1
58	LL380-01503	A 型组合垫圈 $\phi 14$	1
59	KM385T-015111	油底壳垫片	1
60	KM385T-015101	油底壳	1
61	KM385T-01010	飞轮壳	1
62	GB67-85	螺钉 M6×12	2
63	GB97.1-85	垫圈 6	2
64	LL480-01025	盖板	1
65	KM385T-015111	油底壳盖垫片	1
66	JB2600-807	骨架式橡胶油封 DL80× 100×12	1
67	KM385T-015104	油底壳盖	1
68	KM385T-01027	机油滤垫块	1
69	KM385T-01200	呼吸器部件	1

正时齿轮室总成 Timing Gear Case Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	GB5783-86	螺钉 M8×30 Bolt M8×30	1
2	GB97.1-85	垫圈 8 -100HV Washer 8-100HV	2
3	GB93-87	垫圈 8 Washer 8	1
4	KM385T-02018	液压泵连接过渡板垫片 Hydraulic pump transition connecting plate	1
5	L485BN-02013-B	液压泵传动轴承座 Hydraulic pump	1
6	GB276-94	深沟球轴承 Bearing	1
7	L485BN-02104	轴承垫圈 Bearing holddown circlip	1
8	L485BN-02014	液压泵传动齿轮 Hydraulic pump transition gear	1
9	GB1096-79	平键 C10×22 Key C10×22	1
10	L485BN-02012	液压泵传动轴 Hydraulic pump transition axle	1
11	GB292-94	角接触球轴承 Bearing 7008C	1
12	L485BN-02108	液压泵连接过渡板垫片 Hydraulic pump transition connecting plat	1
13	L385T-02101	液压泵连接过渡板 Hydraulic pump transition connecting plate	1
14	4L22BT-01710	液压泵传动孔堵 Hydraulic pump port plug	1
15	GB5783-86	螺栓 M12×35 Bolt M12×35	1
16	GB97.1-85	垫圈 12-100HV Washer 12-100HV	1
17	KM385T-02013	凸轮轴正时齿轮压板 Camshaft timing gear holddown	1
18	L485BN-02003	凸轮轴正时齿轮 Camshaft timing gear	1
19	KM385-02013	凸轮轴正时齿轮挡圈 Camshaft timing gear block ring	1
20	KM385T-01012	正时齿轮室盖盖板 Timing gear case cover	1
21	KM385T-01026	转速传感器垫片 Sensor gasket	1
22	L375-01034	上止点指针 Upper death point showing needle	1
23	L375-01014	惰齿轮压板 Idle gear holddown	1
24	L375-01201	惰齿轮 Idle gear	1

凸轮轴总成 Camshaft Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
25	L485BN-02006	正时惰齿轮衬套 Idle gear bushing	1
26	L485BN-02005	正时惰齿轮轴 Idle gear axle	1
27	KM385T-01007	正时齿轮室 Timing gear case	1
28	GB119-86	销 B8 Pin8	1
29	GB5782-86	螺栓 M8×55 Bolt M8 ×55	1
30	JB2600-80	骨架油封 DR55 ×75 × 12 Cased rubber oil seal	1
31	L375-01025-1	齿轮室前盖 Gear case front cover	1
32	L375-01030	齿轮室前盖垫片 Gear case front cover gasket	1
33	L485BN-02013	正时齿轮室盖 Timing gear case cover	1
34	L485BN-02018	齿轮室盖垫片 Gasket of gear case cover gasket	1
35	LL480B-10900	提前器总成 Oil injection advacer assy	1
36	L375-01010	喷油泵垫片 Fuel pump fasten gasket	1
37	GB93-87	垫圈 8 Washer 8	1
38	GB898-88	双头螺柱 M8 ×20 Stud M8 ×20	1
39	GB6170-86	螺母 M8 Nut M8	1
40	L375-01007	齿轮室垫片 Gear case gasket	1

气缸盖总成 Cylinder Head Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	GB5783-86	栓 M12×35 Bolt M12×35	1
2	L375-02001	凸轮轴 Camshaft	1
3	GB1096-79	键 C8×18 Key C8×18	1
4	L375-02006	推杆 Valve push rod	6
5	L375-02005	挺柱 Valve tappet	6
			1

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	L375-03005	加油口盖 Oil filler cap	1
2	GB923-88	盖型螺母 Cap nut	3
3	L375-03017	防漏垫圈 Φ8 WasherΦ8	3
4	KM385BT-03301	气缸盖罩 Cylinder head cap	1
5	LL380B-03002	气缸盖罩垫片 Cylinder head cap gasket	1
6	GB6170-86	螺母 M 8 Nut M 8	21
7	GB97.1-86	垫圈 8 -100HV Washer 8 -100HV	32
8	GB93-87	垫圈 8 Washer 8	6
9	KM385BT-03001	摇臂座紧固螺栓 Rockshaft seat fasten bolt	3
10	GB898-88	螺栓 M8 ×25 Bolt M8×25	12
11	KM485QB-03006	排气管垫片 Exhaust pipe gasket	3
12	GB5783-86	螺栓 M8 ×25 Bolt M8 ×25	4
13	L375-03012	后吊环 Rear hoisting ring	1
14	GB6171-86	螺母 M8 Nut M 8	6
15	LL480B-03201	气门间隙调整螺钉 Valve clearance adjusting screw	6
16	GB5781-86	螺栓 M8 ×60 Bolt M8 ×60	3
17	L375-03206	摇臂轴定位钉 Rockshaft locating screw	1
18	GB848-85	垫圈 6 Washer 6	1
19	LL480B-03210	气门摇臂加工合件 Rocker	3
20	LL480B-03008	气门锁夹 Valve collet	12
21	4L22-03009	气门弹簧上座 Valve spring upper seat	6
22	L375-03015	气门外弹簧 Valve outer spring	6
23	L375-03007	气门内弹簧 Valve inner spring	6
24	LL480B-03019	阀杆油封 Valve seal	6

活塞连杆总成

Piston-connecting Rod Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
25	KM485QB-03012	气门导管 Valve stem guide	6
26	L375-01115	碗形塞片 Φ10 Bowl shape plugΦ10	2
27	GB894.1-86	档圈 16 Ring 16	2
28	KM385-03205	摇臂轴 Rockershaft	1
29	L375-03107	碗形塞片 φ8.3 Bowl shape plugφ8.3	3
30	KM385BT-03202	摇臂轴支座 Rockershaft rear seat	2
31	KM385BT-03220	进气门摇臂加工合件 Intake valve R ocker	3
32	L375-03204	摇臂轴弹簧 Rockershaft spring	2
33	KM385BT-03207	摇臂轴后支座 Rockershaft rear seat	1
34	D495QB-03110	油道堵塞 Oil route plugΦ6	1
35	D495QB-01024	碗形塞 (φ32) Bowl shape plug	1
36	GB898-88	螺柱 M8×6 0 StudM8×6 0	6
37	L375-03302-4	通用铭牌 Brand mark	1
38	LL480B-03013	进气管垫片 Intake manifold gasket	3
39	L375-03106	碗形塞片 Φ25 Bowl shape plug	5
40	LL480B-03103	进气门座 Intake valve seat	3
41	LL480B-03005	进气门 Intake valve	3
42	LL480B-03104	排气门座 Exhaust valve seat	3
43	LL480B-03004	排气门 Exhaust valve	3
44	L375-03011-1	吊环焊接件 Hoisting ring	1
45	GB5783-86	螺柱 M8×25 Bolt M8×25	4
46	L375-03010	节温器壳垫片 Thermostat housing gasket	2
47	KM385QB-03101	气缸盖 Cylinder head	1

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
50	KM385BT-03401	垫片 Gasket	2
51	KM385BT-03402	减压手柄轴套 Pressure reduction handle shaft bush	1
52	KM385BT-03407	限位板 Locating board	1
53	KM385BT-03403	减压弹簧 Pressure reduction spring	1
54	GB3452.1-1992	O 型密封圈 13.2 ×2.6 O- ring 13.2 ×2 .6	1
55	KM385BT-03406	十字轴 Cross connection shaft	1
56	KM385BT-03410	减压手柄焊接件 Pressure reduction handle weldment	1
57	GB119-86	圆柱销 B3×26 PinB3×26	1
58	GB894.1-86	轴用弹性挡圈 15 Circlip 15	2
59	KM385BT-03404	减压调整螺钉 Adjust bolt for pressure reduction	1
60	KM385BT-03405	减压轴 Pressure reduction shaft	1

曲轴飞轮总成

Crankshaft-fly wheel Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	KM485QB-04001	第一道气环1st compression ring	1
2	KM485QB-04002	第二道气环2nd compression ring	1
3	KM485QB-04100	油环部件Oil sraper ring	1
4	KM485QB-04005	活塞Piston	1
5	KM485QB-04004	活塞销Piston pin	1
6	GB893.1-86	活塞销挡圈 φ28Circlipφ28	2
7	KM485QB-04201	连杆衬套Connecting rod bushing	1
8	KM485QB-04202	连杆Connecting rod	1
9	LL480-04003	连杆轴瓦Connecting rod bearing	2
10	KM485QB-04203	连杆盖Connecting rod cover	1
11	LL480-04204	连杆螺栓Connecting rod bolt	2

冷却系统总成 Cooling System Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	KM385T-05006	起动爪 Starting claw	1
2	L375-05005	起动爪垫板 Starting claw washer	1
3	KM385T-05005	曲轴皮带轮 Crankshaft belt pulley	1
4	L485BN-02009	曲轴正时齿轮 Crankshaft timing gear	1
5	GB1096-79	键 C10×63 Key C10×63	1
6	KM385QB-05003	曲轴 Crankshaft	1
7	GB278-89	单列向心球轴承 B60203 Bearing B60203	1
8	GB119-86	销 B8×20 Pin B8×20	1
9	LI480-05102	飞轮齿圈 Gear ring for fly wheel	1
10	KM385T -05101	飞轮 Fly wheel	1
11	L375-05002	飞轮螺栓垫板 Fly wheel bolt backing plate	1
12	KM385T-05001	飞轮螺栓 Fly wheel	6
13	KM385T-05008	气泵皮带轮 Air pump belt pulley	1

进气管总成

Intake Manifold Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	GB5783-86	螺栓 M6×60 Bolt M6×60	4
2	GB848-85	垫圈 6 100HV Washer 6 100HV	4
3	L375-06201	节温器盖 Thermostat cover	1
4	L375-06202	节温器盖垫片 Thermostat cover gasket	1
5	L375-06206	水温感应塞 Water temprature sensor	1
6	L375-06203	节温器 Thermostat	1
7	L375-06204	节温器壳 Thermostat housing	1
8	LL480-06303	小循环接管 Small circulating water pipe	2
9	ZBT32005.1-88	双钢丝式环箍 φ26 wong Clamp φ26	2
10	LL380-06001	水泵分水胶管 Hose pipe	1
11	KM385-06208	节温器盖垫块 Thermstat cover padding block	1
12	L375-06101	垫圈 Washer	1
13	GB278-89	单列向心球轴承 E60203 Ball bearing E60203	2
14	L375-06104	轴承隔圈 Bearing spacer	1
15	LL480-06103-2	水泵壳体 Water pump housing	1
16	L375-06107	水泵垫片 Water pump gasket	1
17	GB1099-79L375-06107	半圆键 4×6.5×16 Wood ruff key 4×6.5×16	1
18	L375-06106	水泵轴 Water pump shaft	1
19	C-15	陶瓷-石墨水封 C-15 Ceramic graphilte seal type C-15	1
20	LL480-06105-1	水泵叶轮 Water pump impeller	1
21	GB93-87	垫圈 8 Washer8	1
22	L375Y3--14-06110	螺堵 Stopper	1
23	375-06108	水泵后盖 Water pump rear cover	1

润滑系统总成
 Lubricating System Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	LL380B-07001	进气管Intake manifold	1
2	KM385T-07004	进气管接头Intake manifold cover joint pipe	1
3	L375-07005	接头端盖Joint cover	1
4	KM385T-07006	螺堵Screw plug	1
5	L375Y3-07003	进气管端盖垫片Intake manifold cover gasket	3
6	L375Y3-07002	进气管端盖Intake manifold cover	3
7	GB97.1-85	垫圈 10Washer 10	6
8	GB93-87	垫圈 10Washer 10	6
9	GB5783-86	螺栓 M8×25Bolt M8×25	4
10	GB5783-86	螺栓 M10×30Bolt M10×30	2

燃油系统总成

Fuel System Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	GB5783-86	螺栓 M10×30 Bolt M10×30	2
2	GB93-87	垫圈 10 Washer 10	2
3	GB97.1-85	垫圈 10 Washer 10	2
4	LL480-08002	排气总管垫片 Exhaust manifold gasket	1
5	LL380B-08001	排气管 Exhaust manifold	1
6	KM385T-08003	消声器联结弯头 Muffler joint	1

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	GB6170-86	螺母 M10 Nut M 10	1
2	GB893-87	垫圈 10 Washer 10	1
3	LL480-09101	机油泵传动齿轮 Oil pump driven gear	1
4	LL480-09102	机油泵体衬套 Oil pump body bush	1
5	LL380-09103-2	机油泵体 Oil pump body	1
6	GB1099-79	半圆键 3×5×13 Woodruff key 3×5×13	2
7	KM485QB-09111-2	机油泵轴 Oil pump shaft	1
8	KM485QB-09104	内转子 Inner rotor	2
9	LL480-09113	销 A5×18 Pin A5×18	6
10	KM485QB-09105	外转子 Outer rotor	1
11	LL480-09106	机油泵垫片 Oil pump gasket	1
12	LL480-09107	机油泵盖 Oil pump cover	1
13	L375-09001	出油管法兰垫片 Oil outlet pipe flange gasket	1
14	LL480-09400-1	机油管路部件 Oil outlet pipe unit	1
15	LL480-09108	滤网体 Gauze strainer	1
16	GB93-87	垫圈 8 Washer 8	1
17	GB5783-86	螺栓 M8×20 Bolt M8×20	1
18	LL480-09200	滤网焊合件 Weldment	1
19	LL480-09003	滤油网撑 Gauze support	4
20	GB5782-86	螺栓 M8×45 Bolt M8×45	4
21	KM385T-09300	机油滤清器部件 Oil filter	1

电器系统总成 Electric System Assy

序号 No	图号 Parts No	名称 Name of Parts	数量 Qty
1	KM385T-10400	回油管部件 Fuel return pipe	1
2	LL480B-10300	喷油器总成 Fuel injector	3
3	L380-10200	高压油管部件 Fuel injection pipe	1
4	GB6170-86	螺母 M6 Nut M6	2
5	D495QB-10600	高压油管锁夹合件 Fuel injection pipe clamp	2
6	GB93-87	垫圈 6 Washer 6	2
7	GB65-85	螺钉 M6×30 Screw M6×30	2
8	L375-10600	燃油滤清器至喷油泵油管 Line from filter to injection pump	1
9	KM385T-10500	燃油滤清器部件 Fuel filter	1
10	L375-10700	输油泵至燃油滤清器油管 Line from feed pump to filter	1
11	L375-10801B	管接头 Pipe joint	1
12	(3I311)	三缸 I 号喷油泵总成 Three cylinder 1 type injection pump assy	1

序号 No.	图号 Parts No	名称 Name of Parts	数量 Qty
1	LL480-12300	起动电机 QC100C3(12V, 2.5kW) Starting motor unit	1
2	KM385T-12100	发电机 (200W,14V) Alternator	1
3	GB12732-1996-1071	皮带 Belt	1
4	KM385T-01029	发电机调整支架 Alternator adjustable support	1
5	D495QB-01038	压板 Compresion plate	1
6	GB5781-86	螺栓 M8×25 Bolt M8×25	1
7	KM385T-01028	发电机固定支架 Alternator fasten support	1
8	L375-01033-1	发电机支架垫套 Alternator fasten support bush	1
9	GB848-85	垫圈 Washer 8-100HV	1
10	GB5782-86	螺栓 M10×100 Bolt M8×100	1

目 录

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编 制 说 明

一、本图册主要供用户订购山东华源莱动内燃机有限公司生产的 KM385BT 柴油机零部件时了解部分结构和装配关系以及件号、型号等，以便准确定货。

二、为了满足用户的不同要求，我公司系列柴油机品种将不断增加，结构也会有些局部改进，因而本图册反映的零部件结构可能会与实物不符，只能等再版时加以改进。改进前不另行通知，望用户见谅。

三、本图册在编制时，由于受时间及水平的限制，因而错误之处在所难免，热情欢迎各位指导错误之处。

INTRODUCTION

This book serves the users as a reference for ordering KM385BT parts required .In order to make a right supply,please state the name and type of the machine ,the date and manufacturer number of ex-work, and state the name of the part ,parts number according to this book when ordering.

It is necessary to improve or revise the construction for meeting the needs of users and requirements for developing market. The parts in the book are subject to change without notice or may vary from country to country,please check with your distributor at the time of placing your order.

If there are some place not very clear or correct . please inform us.