



WATER-COOLED
DIESEL ENGINES

DIESEL ENGINE

Diesel Engine-Front Side



FEATURES

- '' Power up to 220KW / 300HP
- '' Compact structure
- '' High reliability
- '' Easy operation
- '' Simple maintenance

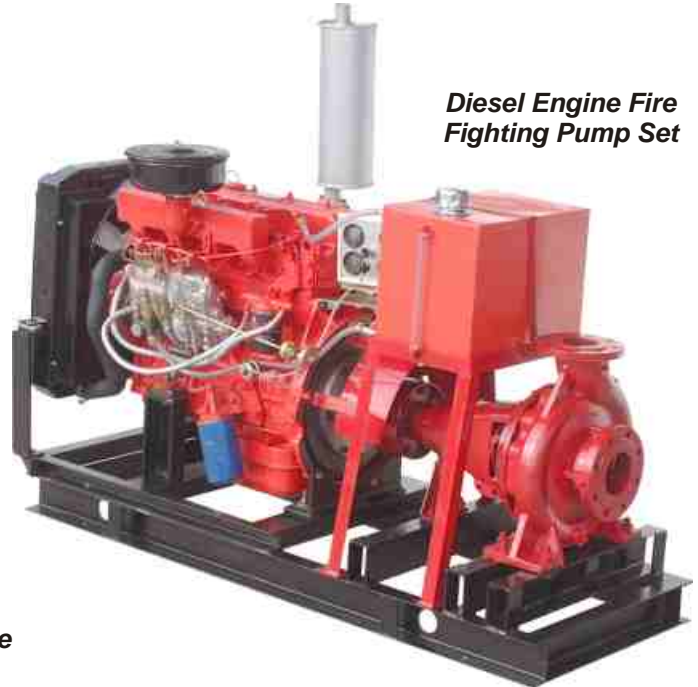
APPLICATIONS

- ◇ Fire fighting pump
- ◇ Water pump
- ◇ Generator set
- ◇ Truck



Diesel Engine-Rear Side

Diesel Engine Fire Fighting Pump Set



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DEK SERIES DIESEL ENGINE--SPECIFICATIONS DATA 1

Model	DEK3-80-90	DEK3-85-90	DEK4-75-85	DEK4-80-90	DEK4-85-95
Type: Vertical, Water-cooled, 4-stroke	*	*	*	*	*
Direct-Injection Combustion Chamber	*	---	*	*	*
Swirl Combustion Chamber	---	*	---	---	---
No. of Cylinders	3	3	4	4	4
Cylinder Order	1-3-2	1-3-2	1-3-4-2	1-3-4-2	1-3-4-2
Bore x Stroke (mm)	80 x 90	85 x 90	75 x 85	80 x 90	85 x 95
Power / Speed (kw/rpm)	22/3000	24/3000	24/3000	28/3000	33/3000
Power / Speed (hp/rpm)	30/3000	33/3000	33/3000	38/3000	44/3000
Min. Full Load Fuel Consumption (g/kw.h)	g250.2	g278.8	g257	g247	g247
Lube Oil Consumption (g/kw.h)	g2.72	g2.72	g2.72	g2.72	g2.72
Max. Torque (N.m.)	78.4	84	84	100	118
Compression Ratio (e)	18:1	22:1	18:1	22.5:1	18:1
Total Displacement (L)	1.357	1.532	1.502	1.809	2.156
Cooling Method	Forced Water-cooled				
Lubrication Method	Splashing Under Pressure				
Starting Method	Started by Electric Motor				
Emission Certified	EURO II	ISO9001	ISO9001	ISO9001	ISO9001
Net Weight (engine only) (kg)	165	175	185	195	200
Overall Dimension (engine only)(LxWxH) (mm)	563x509x592	587x494x615	687x494x623	687x494x623	697x510x628



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DEK SERIES DIESEL ENGINE--SPECIFICATIONS DATA 2

Model	DEK4-90-100	DEK4-100-105	DEK4-105-118	DEK4-108-118	DEK ZQ4-110-112
Type: Vertical, Water-cooled, 4-stroke	*	*	*	*	*
Direct-Injection Combustion Chamber	*	*	*	*	*
Swirl Combustion Chamber	---	---	---	---	---
No. of Cylinders	4	4	4	4	4
Cylinder Order	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Bore x Stroke (mm)	90 x 100	100 x 105	105 x 118	108 x 118	110 x 112
Power / Speed (kw/rpm)	43/3000	56/3000	71/3000	81/3000	105/2900
Power / Speed (hp/rpm)	58/3000	75/3000	95/3000	109/3000	141/2900
Min. Full Load Fuel Consumption (g/kw.h)	g247	g238	g236	g231	g215
Lube Oil Consumption (g/kw.h)	g2.72	g2.04	g1.9	g1.9	g0.5
Max. Torque (N.m.)	149.7	200	250	280	392
Compression Ratio (e)	18:1	17.5:1	17.5:1	17.5:1	17:1
Total Displacement (L)	2.54	3.3	4.087	4.324	4.257
Cooling Method	Forced Water-cooled				
Lubrication Method	Splashing Under Pressure				
Starting Method	Started by Electric Motor				
Emission Certified	ISO9001	ISO9001	ISO9001	ISO9001	EURO I
Net Weight (engine only) (kg)	230	300	330	330	380
Overall Dimension (engine only)(LxWxH) (mm)	716x530x670	892x618x718	837x630x810	810.5x625x762	863X664X843



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DEK SERIES DIESEL ENGINE--SPECIFICATIONS DATA 3

Model	DEK QC6-105-125	DEK ZQ6-108-125	DEK6-110-125	DEK6-120-145
Type: Vertical, Water-cooled, 4-stroke	*	*	*	*
Direct-Injection Combustion Chamber	*	*	*	*
Swirl Combustion Chamber	---	---	---	---
No. of Cylinders	6	6	6	6
Cylinder Order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4
Bore x Stroke (mm)	105 x 125	108 x 125	110 x 125	120 x 145
Power / Speed (kw/rpm)	107/2800	120/2800	129/3000	220/1500
Power / Speed (hp/rpm)	143/2800	161/2800	173/3000	300/1500
Min. Full Load Fuel Consumption (g/kw.h)	g210	g210	g225	g198
Lube Oil Consumption (g/kw.h)	g0.8	g0.5	g1.63	g1.5
Max. Torque (N.m.)	430	490	461	1400
Compression Ratio (e)	17.5:1	17.5:1	17:1	17.5:1
Total Displacement (L)	6.494	6.871	7.127	9.84
Cooling Method	Forced Water-cooled			
Lubrication Method	Splashing Under Pressure			
Starting Method	Started by Electric Motor			
Emission Certified	EURO I	EURO I	ISO9001	ISO9001
Net Weight (engine only) (kg)	630	747	560	1200
Overall Dimension (engine only)(LxWxH) (mm)	1234x701x1000	1281x723x972	1321x729x993	1652x939x1233