

MITSUBISHI

MEIKI AIR COOLED ENGINE TWO-STROKE

TL SERIES



 **MITSUBISHI**
HEAVY INDUSTRIES, LTD.

Featherweight champions set the standard for safety and ease of operation.

Mitsubishi's tradition of engineering excellence brings you the versatile TL series of lightweight, high-power engines, designed for a wide range of practical applications.

Economical and easy to operate,

the TL series delivers a host of user-oriented performance features geared to 21st century needs.

ENGINEERING FEATURES

★ Oh-so Light.

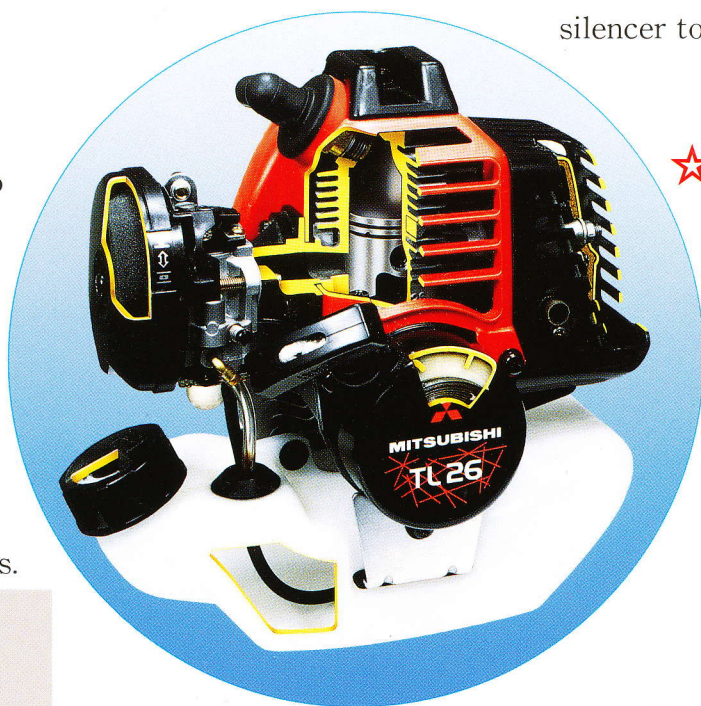
Lightweight yet sturdy construction yields a weight to displacement ratio of less than 100g/cc.

★ Power to spare.

Increased displacement to power a broad range of applications.

★ Versatile line-up.

Full selection of horizontally and vertically mounted models.



★ Amazingly quiet.

Large muffler with glass wool lining; air cleaner intake equipped with silencer to minimize operating noise.

★ Minimal vibration.

Balanced distribution of engine weight ensures stability and durability.

★ Enviro-friendly, asbestos-free.

Non-asbestos packing, insulator and clutch shoe.

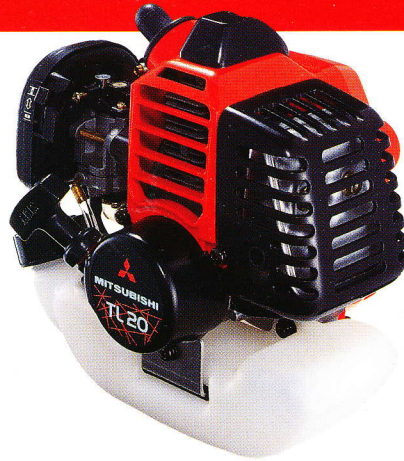
★ Safety first.

Sturdy engineering plastic cover shields against burns; overflow return eliminates fuel spills during priming.

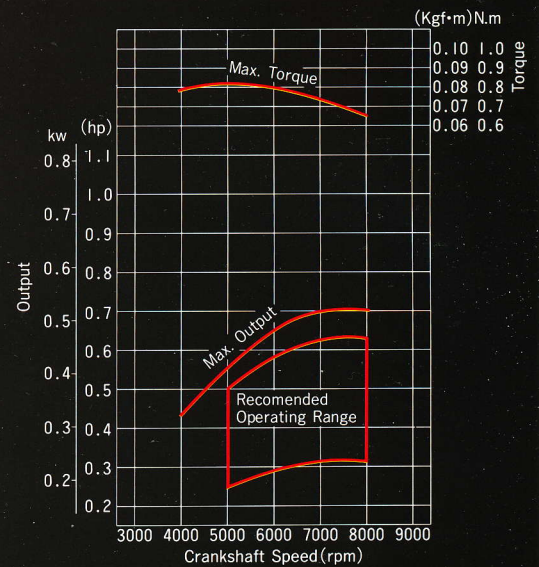
Application	Engine Model						Carburetor		Type
	TL20	TL23	TL26	TL33	TL43	TL52	Diaphragm	Float	
Hand-held Grass Trimmer	●	●	●	●	●	●	●		PFD
Hand-held Brush Cutter			●	●	●	●	●		PFD
Back Pack Brush Cutter			●	●	●	●	●		PSD
Back Pack Brush Cutter				●	●			●	PSF
Back Pack Power Sprayer		●	●				●		PSD
Portable Water Pump				●			●		PPD
Hand-held Hedge Trimmer	●		●				●		PVD
Curved-shaft Grass Trimmer			●				●		MFD

TL20

Displacement(cc) : 20.1
Maximum output (hp) : 0.7
Dry weight (kg) : 2.0
Fuel tank capacity(ℓ) : 0.4
Length(mm) : 143
Width(mm) : 218
Height(mm) : 206



Performance curve

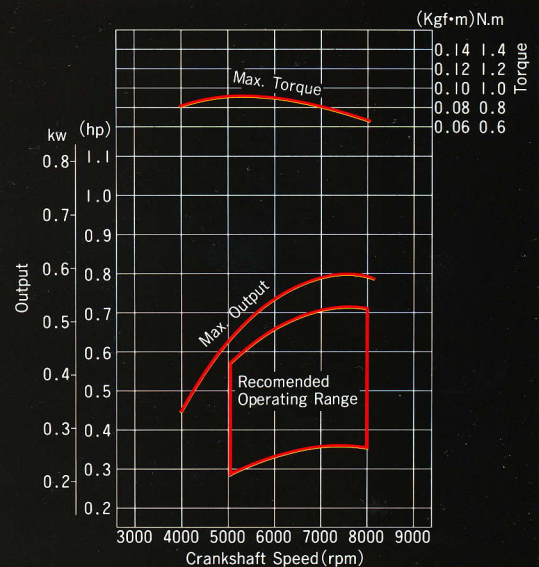


TL23

Displacement(cc) : 22.6
Maximum output (hp) : 0.8
Dry weight (kg) : 2.3
Fuel tank capacity(ℓ) : 0.5
Length(mm) : 146
Width(mm) : 228
Height(mm) : 213



Performance curve

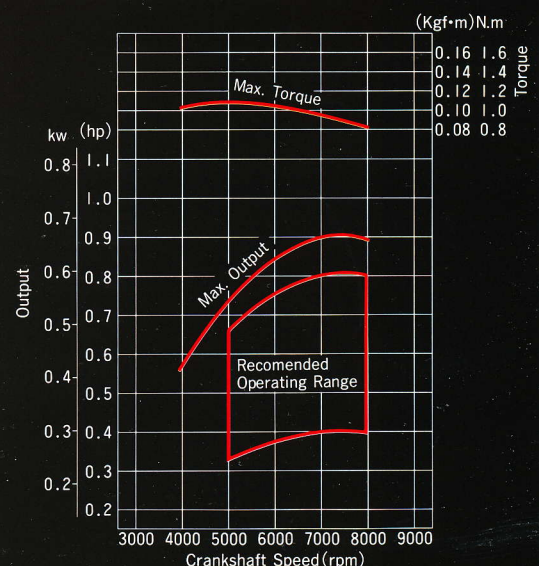


TL26

Displacement(cc) : 25.6
Maximum output (hp) : 0.9
Dry weight (kg) : 2.4
Fuel tank capacity(ℓ) : 0.6
Length(mm) : 146
Width(mm) : 228
Height(mm) : 217



Performance curve

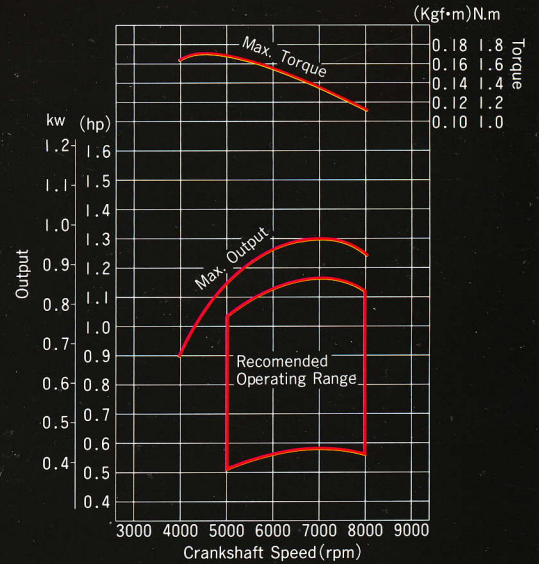


TL33

Displacement(cc) : 32.6
 Maximum output (hp) : 1.3
 Dry weight (kg) : 3.1
 Fuel tank capacity (ℓ) : 0.9
 Length (mm) : 156
 Width (mm) : 252
 Height (mm) : 233



Performance curve

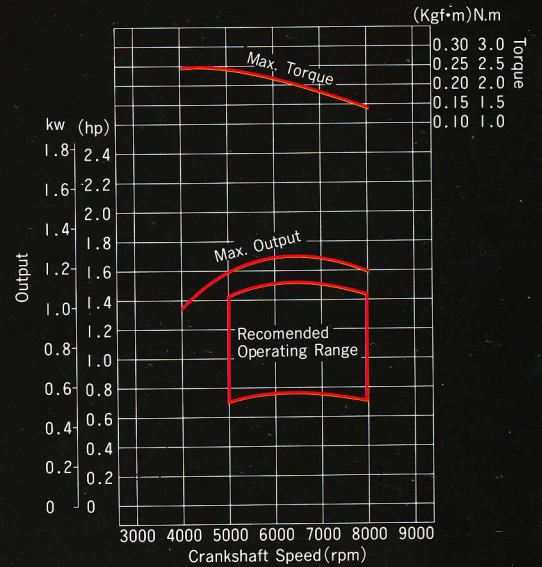


TL43

Displacement (cc) : 42.7
 Maximum output (hp) : 1.7
 Dry weight (kg) : 3.8
 Fuel tank capacity (ℓ) : 0.9
 Length (mm) : 170
 Width (mm) : 265
 Height (mm) : 247



Performance curve

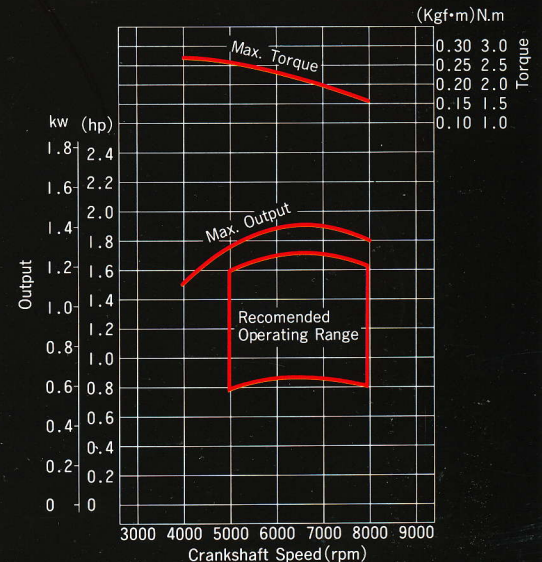


TL52

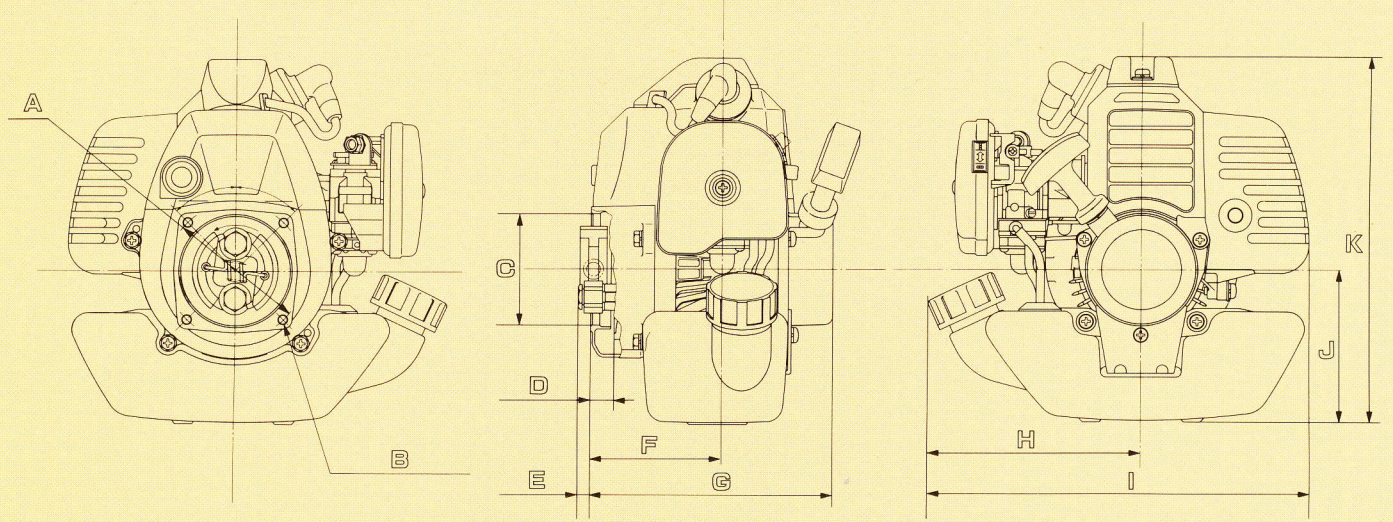
Displacement (cc) : 51.7
 Maximum output (hp) : 1.9
 Dry weight (kg) : 3.9
 Fuel tank capacity (ℓ) : 0.9
 Length (mm) : 170
 Width (mm) : 265
 Height (mm) : 247



Performance curve

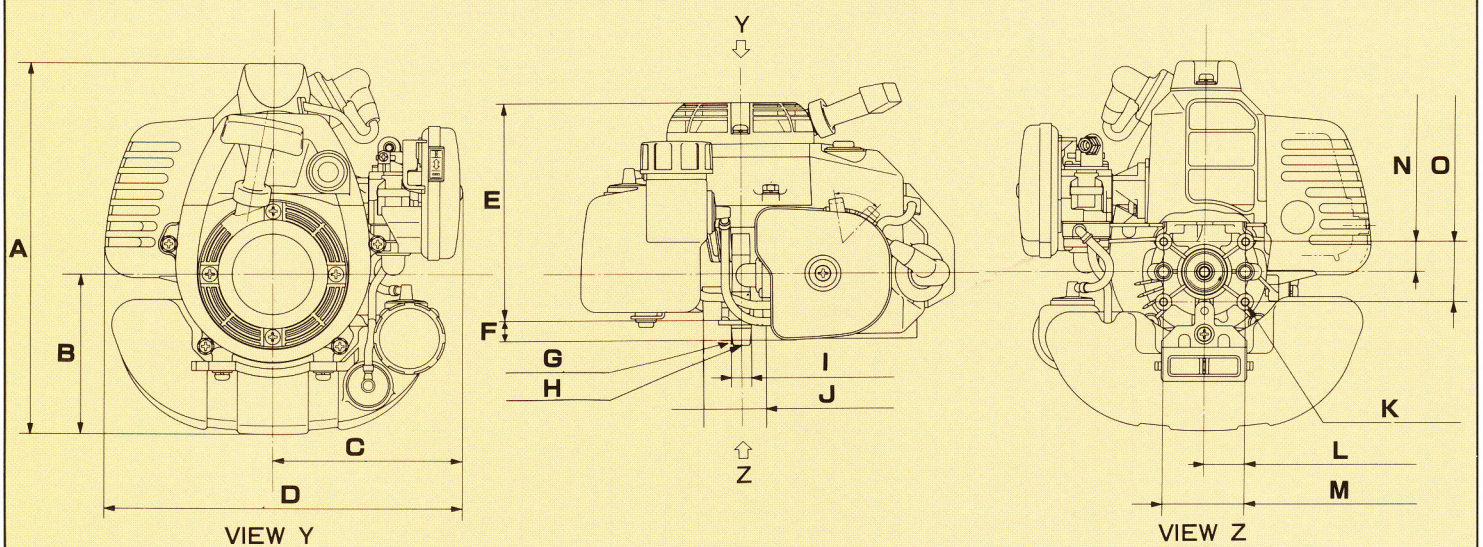


PFD TYPE



	A	B	C	D	E	F	G	H	I	J	K
TL20	$\phi 82 \pm 0.2$	4-M6×1.0	$\phi 66^{+0.1}$	14.0	6.5 ± 1	79	143	130	218	83	206
TL23	$\phi 82 \pm 0.2$	4-M6×1.0	$\phi 66^{+0.046}$	14.0	7.5 ± 1	79	146	128	228	87	213
TL26	$\phi 82 \pm 0.2$	4-M6×1.0	$\phi 66^{+0.046}$	14.0	7.5 ± 1	79	146	128	228	91	217
TL33	$\phi 100 \pm 0.2$	4-M6×1.0	$\phi 88^{+0.054}$	13.5	6.0 ± 1	83	156	142	252	97	233
TL43	$\phi 100 \pm 0.2$	4-M6×1.0	$\phi 88^{+0.054}$	13.5	7.0 ± 1	93	170	149	265	102	247
TL52	$\phi 100 \pm 0.2$	4-M6×1.0	$\phi 88^{+0.054}$	13.5	7.0 ± 1	93	170	149	265	102	247

PVD TYPE



	A	B	C	D	E	F	G	H	I	J	K
TL20	212	90	114	202	129	11	Taper $\frac{1}{5}$	M6×1.0 Depth14	$\phi 12 \pm 0$	$\phi 27_{-0.033}$	4-M5×0.8 Depth10
TL26	221	95	114	214	129	11	Taper $\frac{1}{5}$	M6×1.0 Depth14	$\phi 12 \pm 0$	$\phi 27_{-0.033}$	4-M5×0.8 Depth10
	L	M	N	O							
TL20	25 ± 0.2	50 ± 0.2	18 ± 0.2	36 ± 0.2							
TL26	25 ± 0.2	50 ± 0.2	18 ± 0.2	36 ± 0.2							

SPECIFICATIONS

Model		TL20	TL23	TL26	TL33	TL43	TL52
Type	Air-cooled, two-stroke, gasoline engine						
Bore×Stroke (mm)		30.2×28	31×30	33×30	36×32	40×34	44×34
Displacement (cc)		20.1	22.6	25.6	32.6	42.7	51.7
Maximum output (hp) <kw>		0.7 <0.52>	0.8 <0.60>	0.9 <0.67>	1.3 <0.97>	1.7 <1.27>	1.9 <1.42>
Maximum torque (kgf·m/rpm) <N.m/min ⁻¹ >		0.08/5000 <0.78/5000>	0.09/5000 <0.89/5000>	0.106/5000 <1.04/5000>	0.17/4500 <1.66/4500>	0.24/4000 <2.35/4000>	0.27/4000 <2.63/4000>
Fuel	Mixture of gasoline and lubricating oil (ratio 25:1)						
Fuel tank capacity (liters)		0.4	0.5	0.6	0.9	0.9	0.9
Lubrication	Mixture of oil and fuel						
Lubricating oil	Two-cycle motor oil						
Starting system	Recoil starter						
Ignition system	Transistorized pointless Flywheel magneto						
Ignition plug	NGK BM6A or equivalent						
Carburetor	Diaphragm type						
Air cleaner	Semi-dry type						
Rotation (facing PTO)	Counter-clockwise						
Dry weight ※ (kg)		2.0	2.3	2.4	3.1	3.8	3.9
Dimensions ※ (mm)	Length	143	146	146	156	170	170
	Width	218	228	228	252	265	265
	Height	206	213	217	233	247	247

※PFD Type

●Specifications subject to change without prior notice.