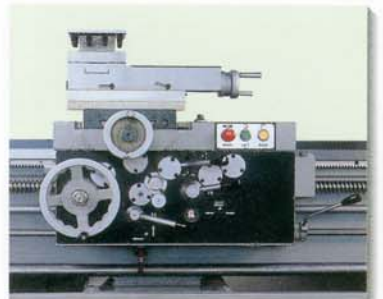


FEATURES :

- 105mm(4-1/8") Spindle bore ; D1-11 camlock spindle nose ; 3-bearing spindle support.
- 18 Spindle speeds, 10~1200 rpm, with electro-magnetic brake.
- Electro-magnetic clutch mounted in Headstock, for spindle speed changed without stopping motor.
- Automatic forced lubrication in headstock is moved by a direct motor drive lubrication gear pump, and oil tank is equipped in the floor stand to minimize the cooling of oil.
- Heavy duty geared head ; hardened and ground gears.
- 15HP Main spindle motor.
- Quick-change universal gearbox for inch, metric, DP, MP, threading and multiple thread, all function without any change gears.
- Four-way rapid carriage movement.
- Automatic lubrication in saddle and apron assembly.
- Adjustable overload clutch in apron to ensure proper cutting load.
- 2 speeds tailstock barrel.
- 485mm(19") wide bed ways, induction hardened and ground.

▲ FL-2480SSM



SPECIFICATIONS

MODEL	FL-2480SSM	FL-24120SSM	FL-24160SSM	FL-3080SSM	FL-30120SSM	FL-30160SSM
NOMINAL SIZE						
Swing over Bed	610mm (24")			760mm (30")		
Swing over Cross Slide	350mm (13-3/4")			500mm (19")		
Height of Center	305mm (12")			380mm (15")		
Distance Between Centers	2033mm (80")	3050mm (120")	4050mm (160")	2033mm (80")	3050mm (120")	4050mm (160")
BED						
Width of Bedways	485mm(19")					
Total Length of Bed	3320mm (130")	4380mm (172")	5470mm (215")	3320mm (130")	4380mm (172")	5470mm (215")
Swing over gap	820mm (32-1/4")			970mm (38-1/4")		
Length of gap	515mm (20-1/4")					
Width in front of face plate	340mm (13-3/8")					
SPINDLE						
Spindle nose mounting	D1-11 CAMLOCK					
Spindle bore	105mm (4-1/8")					
Taper of spindle bore	M.T.#5 (with center sleeve)					
Number of spindle speeds	18 steps (Forwarded & Reversed by magnetic clutch control)					
Range of spindle speeds	10-1200 R.P.M. (with Magnetic brake)					
TOOL SLIDE						
Total travel of cross slide	375mm (14-3/4")					
Total travel of top slide	225mm (9")					
Max. size cutting tool	28mm (1-1/8")					
TAILSTOCK						
Total travel of tailstock barrel	195mm (6-5/8")					
Taper in tailstock barrel	M.T.#5					
Diameter of barrel	80mm (3-1/8")					
THREADS						
Lead screw diameter & pitch	Dia. 38mm Pitch 12mm 2 T.P.I.					
Inch threads	1/4 ~ 80 TPI (60)					
Metric pitches	0.2 ~ 112 mm(60)					
Diametric pitches	1 ~ 240 D.P.(55)					
Module pitches	0.05 ~ 28 M.P.(55)					
FEEDS						
Feed rod diameter	38mm (1-1/2")					
Range of longitudinal feeds	0.040~5.000mm / rev.0.0015~0.20 in/rev.(40)					
Range of cross feeds	0.015-4.000mm / rev.0.0006-0.15 in/rev.					
MOTOR						
Main spindle motor	15HP (11kw)					
Coolant pump motor	1/8HP (0.1kw)					
WEIGHT						
Machine net weight	3500kgs	4000kgs	4500kgs	3800kgs	4300kgs	4800kgs

• The manufacturer reserves the right to modify the design, specifications, mechanisms...etc. to improve the performance of the machine without prior notice.
All the specifications shown above are just for reference.



**FRANK PHOENIX
INTERNATIONAL CORP.**
Manufacturer, Exporter & Importer

TOPFIT MACHINERY CO., LTD.

23, Ho-Li Street Sec. 1, Taiping Dist.,
Taichung City 41144, Taiwan
E-Mail: sales@frankphoenix.com.tw; frankphoenix22@gmail.com;
fphoenix@ms13.hinet.net
http://www.frankphoenix.com.tw
Tel:886-4-2277-1391(Rep.) Fax:886-4-2277-5822