

**CASE IH**  
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# PUMA

140 - 225 HP TRACTORS




MODELS	PUMA 140	PUMA 155	PUMA 180	PUMA 210	Puma 180 CVT	PUMA 225 CVT
<b>ENGINE</b>						
Number of cylinders / type	6 / turbocharged and intercooled					
Capacity (litres)	6.7	6.7	6.7	6.7	6.7	6.7
Bore x stroke mm	104 X 132	104 X 132	104 X 132	104 X 132	104 X 132	104 X 132
Rated power ECE R120 <sup>1)</sup> (kW/hp(CV))	104 / 142	116 / 158	134 / 182	157 / 213	134 / 182	165 / 224
Rated power ECE R120 <sup>1)</sup> Power Management <sup>2)</sup> (kW/hp(CV))	123 / 167	135 / 183	160 / 218	175 / 238	160 / 218	181 / 247
Rated engine speed (rpm)	2,200	2,200	2,200	2,200	2,200	2,200
Maximum power ECE R120 <sup>1)</sup> (kW/hp(CV))	112 / 152	124 / 169	147 / 200	164 / 223	147 / 200	169 / 230
Maximum power ECE R120 <sup>1)</sup> Power Management <sup>2)</sup> (kW/hp(CV))	131 / 178	142 / 193	172 / 234	178 / 242	172 / 234	185 / 251
... at engine speed (rpm)	1,900 - 2,000	1,900 - 2,000	1,900 - 2,000	1,900 - 2,000	1,900 - 2,000	1,800
Maximum torque (Nm/rpm)	643 / 1,400	690 / 1,400	844 / 1,400	866 / 1,400	844 / 1,400	950 / 1,400
Maximum torque - Power Management <sup>2)</sup> (Nm/rpm)	678 / 1,600	748 / 1,600	938 / 1,600	984 / 1,600	938 / 1,600	1,025 / 1,500
Torque rise Standard / Power Management <sup>2)</sup> (%)	42 / 27	37 / 28	45 / 35	27 / 30	45 / 35	32 / 30
Fuel tank (litres)	300	300	410	410	410	410
<b>TRANSMISSION</b>						
18x6 Semi- / Full Powershift 40 kph	○/●	○/●	-/●	-/●	-/-	-/-
19x6 Semi- / Full Powershift Economy 40 kph @ reduced rpm	○/○	○/○	-/○	-/○	-/-	-/-
19x6 Semi- / Full Powershift 50 kph	○/○	○/○	-/○	-/○	-/-	-/-
CVT 40 kph Economy @ reduced rpm	-	-	-	-	●	●
CVT 50 kph Economy @ reduced rpm	-	-	-	-	○	○
Creep	○	○	○	○	●	●
Rear axle diff-lock type	Multi disc wet plate with management system					
Service brake	Hydraulically operated multiple wet disc brake, self adjusting					
<b>FOUR-WHEEL DRIVE AND STEERING</b>						
Type	Electro-hydraulic with management system					
Front axle suspension	○	○	○ Active	○ Active	○ Active	○ Active
Steering angle (°)	55	55	55	55	55	55
Min. turning radius <sup>3)</sup> track setting 1829 mm (m)	5.45	5.45	6.1	6.1	6.1	6.1
<b>POWER TAKE OFF</b>						
Type	Electro-hydraulic with Auto PTO control available					
Speeds Standard / Option	540 / 540E / 1,000 / -		540E / 1,000 / 540 / 1,000		1,000 / 1,000E / 540 / 540E / 1,000 / 1,000E	
Engine speeds Standard / Option (rpm)	1,969 / 1,546 / 2,120 / -		1,569 / 1,893 / 1,893 / 1,950		1,893 / 1,614 / 1,931 / 1,598 / 1,912 / 1,583	
Shaft type	1 3/8" 21 splines / 1 3/8" 6 splines		1 3/8" 21 splines 1 3/8" 6 splines / 1 3/4" 20 splines			
Front PTO with 1000 rpm	○	○	○	○	○	○
<b>HYDRAULIC SYSTEM</b>						
Standard pump flow and system type main hydraulic (l/min)	113 PFC	113 PFC	120 PFC	120 PFC	120 PFC	120 PFC
System pressure (bar)	210	210	215	215	215	215
Control type	EHC with ride control					
Max. lift capacity (kg) Standard/Optional	6,687 / 8,257		10,460 / -		10,460 / -	
Max. number of remote valves Standard / Optional	2 mechanical or 2 electrical / 3 or 4 mechan. or 3 or 4 electr.		3 mechanical or 3 electrical / 4 mechan. or 4 electr.		3 electrical / 4 or 5 electrical	
Max. number of mid mount valves with electronic joystick	3 electr.		3 electr.		3 electr.	
<b>WEIGHT</b>						
Minimum weight (kg)	5,400	5,600	6,850	6,850	6,850	7,200
Permissible total weight (kg)	10,500	10,500	13,000	13,000	13,000	13,000
Max. permissible weight front (kg)	4,900	4,900	6,000	6,000	6,000	6,000
Max. permissible weight rear (kg)	7,300	7,300	9,500	9,500	9,500	9,500
<b>DIMENSIONS<sup>3)</sup></b>						
A: Total length (mm)	4,449	4,449	4,916	4,916	4,916	5,017
B: Total height (mm)	2,985	2,985	3,040	3,100	3,040	3,100
C: Total width (across rear fenders with 150 mm extension) (mm)	2,682	2,682	2,682	2,682	2,682	2,682
D: Wheel base (mm) Standard/with front axle suspension	2,734 / 2,789	2,734 / 2,789	2,884	2,884	2,884	2,884
E: Height at centre of rear axle / highest point (mm)	2,180	2,180	2,240	2,240	2,240	2,240
F: Track setting front (mm)	1,560 - 2,256	1,560 - 2,256	1,552 - 2,269	1,552 - 2,269	1,552 - 2,269	1,538 - 2,260
rear (mm)	1,470 - 2,294	1,470 - 2,294	1,524 - 2,438	1,524 - 2,438	1,524 - 2,438	1,530 - 2,230
<b>STANDARD TYRES<sup>4)</sup></b>						
Front	480 / 70 R28	480 / 70 R28	480 / 70 R28	540 / 65 R28	480 / 70 R28	600 / 65 R28
Rear	580 / 70 R38	580 / 70 R38	580 / 70 R38	650 / 65 R38	580 / 70 R38	650 / 65 R42
Category type	Cat II / III	Cat II / III	Cat II / III	Cat II / III	Cat II / III	Cat II / III

● Standard Equipment ○ Optional Equipment - Not available <sup>1)</sup> ECE R120 correspond to ISO 14396 and 97 / 68 / EC <sup>2)</sup> Power Management is only available during mobile PTO and haulage applications <sup>3)</sup> With standard tyres <sup>4)</sup> Other tyres on request

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 Safety never hurts! Always read the Operator's Manual before working with any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment. Case IH recommends **AKCELA** lubricants.

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